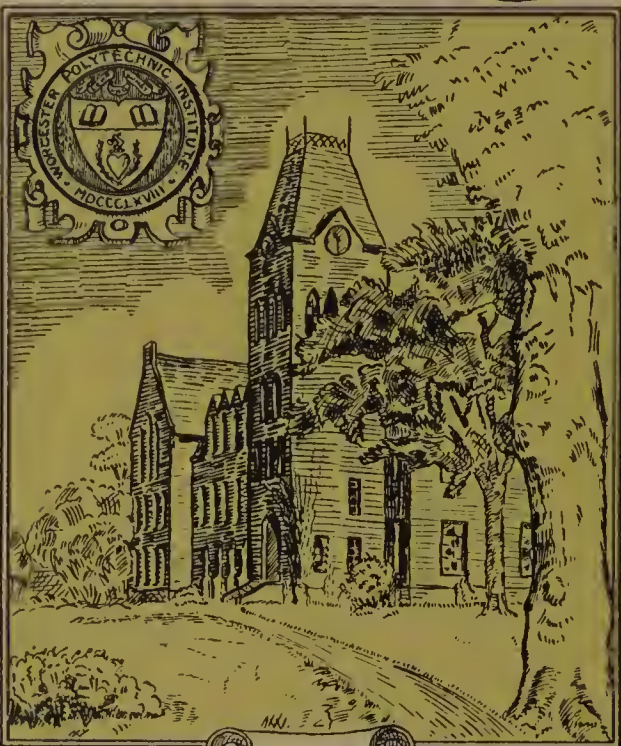


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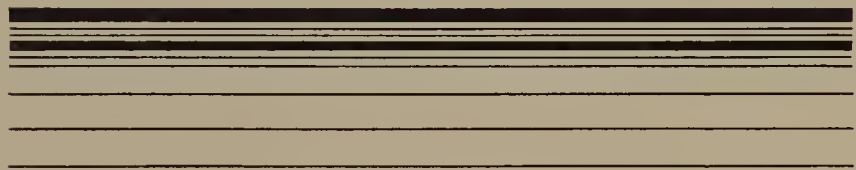
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FOREWORD

This is the sixth volume of *The Peddler*, the fifty-eighth generation of a noble, successful, and illustrious family of W. P. I. annuals. We hope it shall prove to be worthy of its ancestry.

On the other hand, it owes great obligations to the present and greater obligations to the future, for it contains a record of a lively year of W. P. I. history. In its artistic and literary make-up, it aspires to keep abreast of this vigorous college and its interesting existence. Therefore, cherishing the desire that it may be worthy of its purpose, of service, and of some intangible value to those who will possess it, we present this, the sixth volume of *the Peddler*.

THE EDITORS.

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ADMINISTRATION

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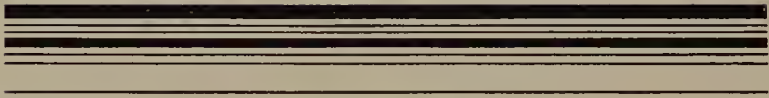
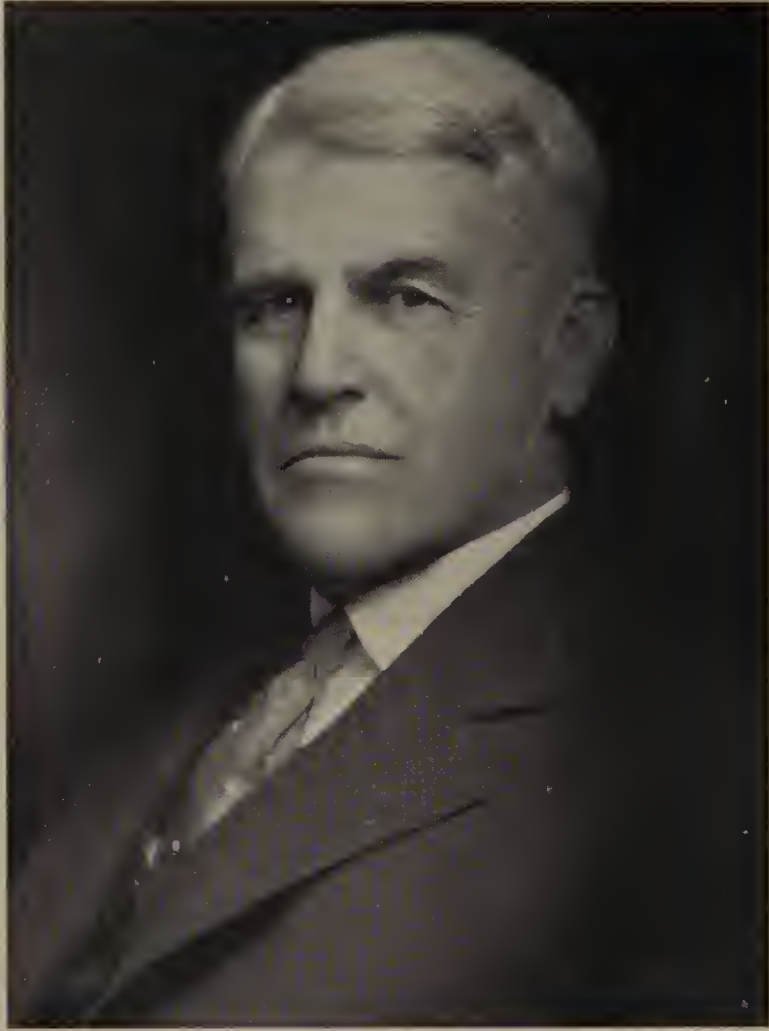
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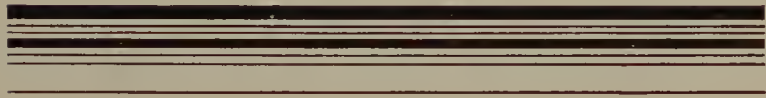
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To

Charles Metcalf Allen

in appreciation of his noted work in the
field of hydraulics and of his loyal
service and staunch support in further-
ing the prestige of the Worcester Poly-
technic Institute we do hereby most
respectfully dedicate this the sixth
volume of the PEDDLER.



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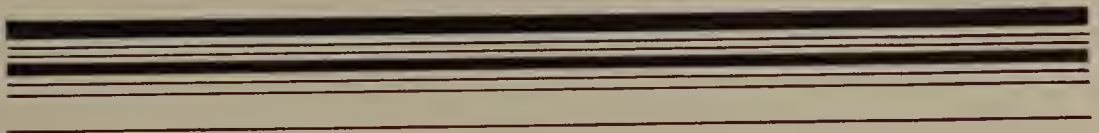
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D.Sc., D.Eng., LL.D.
President

When Rear-Admiral Ralph Earle resigned from the Navy in 1925 to accept the Presidency of the Worcester Polytechnic Institute, his reputation as a great administrator was already secure. Through all the period of America's participation in the World War he had served brilliantly as Chief of the Bureau of Ordnance of the Navy Department, the youngest officer ever appointed to that responsible position.

"The daily association and the comradeship in endeavor and hard work has been most grateful to me," wrote Josephus Daniels, then Secretary of the Navy, "and it must be gratifying to you to know the high estimate placed upon the services of the Bureau of Ordnance under your administration. It is not only true that this high estimate is placed on it by your associates in the Naval service, but by the country at large, for the origination of the Mine Barrage, the making of a type of mine which revolutionized warfare, the conception and execution of the big guns we sent to France, the acquisition of the proving grounds, the completion of the projectile plant and torpedo factory, the foundations for the new armor plant, and a score of other great enterprises begun under your administration and carried out with such honor to the Navy, will constitute one of the finest chapters of Naval achievement in its whole history."

With this proud record behind him, Admiral Earle returned to Worcester, his native city, and to Worcester Tech, within whose walls he had pursued his studies while awaiting his appointment to the United States Naval Academy. It must have been a peculiar gratification to him to come back as President of the Institute, most of whose buildings had been designed by his father, Stephen C. Earle, in his day the most distinguished architect in Central Massachusetts. The father had given material shape to the earliest buildings on the campus; his even more distinguished son was to shape the characters of ambitious youth who within those edifices were preparing themselves for the service of the world in a new and strangely difficult time.

How conscientiously and with what conspicuous ability he has performed this task is evidenced by the admiration and loyalty of the whole undergraduate body. Every student turns to him as counselor, guide, and model, and none has ever turned in vain. We are proud of his past achievements in the Navy; we are proud of the added prestige he has brought our Alma Mater; we thrill with pride at his friendly designation of us as his "ship-mates"; and, as we leave the sheltered college haven to try our fortunes on the uncertain seas of life, we give him back with affectionate pride the message with which, by means of his beloved Naval signal flags, he has taken leave of our predecessors: "Well done. Good bye. Fare ye well."



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Sixteen



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"Pop"

Professor of English

Born in North Brookfield; Graduated from North Brookfield High School, 1892; A.B., Amherst, 1896; Newark Evening News, 1900-08; Instructor in Modern Languages, W. P. I., 1908-13; Assistant Professor of English, 1913-30; Professor, 1930; Chairman of Committee on Publicity, 1915-; Member of Theta Delta Chi Fraternity.



FRANCIS JOSEPH ADAMS, B.S., E.E.

"Rip"

Assistant Professor of Electrical Engineering

Born in Maynard, Mass.; Graduated from Worcester English High School, 1900; B.S., W. P. I., 1904; E.E., 1906; Member of Varsity Basketball team; Permanent Class Secretary; Member Tau Beta Pi; Sigma Xi; Graduate Assistant in Electrical Engineering, 1904-06; Instructor, 1907-17; Assistant Professor, 1917; Co-author with C. A. Pierce on The Theory of the Non-Elastic and Elastic Catenary as Applied to Transmission Lines; Formulas for Capacity of Single-Phase Transmission Lines and Cables.

CHARLES METCALF ALLEN,

B.S., M.S., D. Eng.

"Charlie"

Professor of Hydraulic Engineering

Born in Walpole, Mass.; Graduate of the Walpole High School; B.S., W. P. I., 1894; M.S., 1899; Instructor W. P. I., 1894-1902; Assistant Professor of Mechanical Engineering, 1902-06; Professor, 1906-; D. Eng. W. P. I., 1929; Member Sigma Alpha Epsilon Fraternity; Sigma Xi; Tau Beta Pi; A.S.C.E.; A.S.M.E.; National Electric Light Assn.; American Ass'n for the Advancement of Science; Worcester Engineering Society. Inventor of the Salt-Velocity Method of Measuring Water Flow.



Seventeen





LELAND LEAVITT ATWOOD,

A.B., M.A., Ph.D.

"Doc" "Atty"

Professor of Modern Languages and Head of the Department

Born in Plymouth, N. H.; Graduated from Plymouth High School, 1913; A.B. Clark Univ., 1916; member of Alpha Sigma Alpha Fraternity; Musical Association; Dramatic Club; M.A., Cornell University, 1922; Ph.D., Cornell, 1927; Instructor in Modern Languages at Cornell, 1917-18; Assistant Professor North Carolina College for Women, 1925-26; Clark Univ., 1926-30; Professor W.P.I., 1930-; Member of Phi Gamma Delta Fraternity; Modern Language Association of America.

RICHARD ALEXANDER BETH,

B.S., M.S., Ph.D.

"Dick"

Assistant Professor of Physics

Born in New York City; Graduated from Lynbrook High School, Lynbrook, L. I., N. Y., 1923; B.S., W.P.I., 1927; M.S., W.P.I., 1929; Ph.D., University of Frankfurt (Goethe Univ.), 1932; Member of Theta Chi Fraternity; Member of Tau Beta Pi and Sigma Xi honorary fraternities; Instructor in Physics, W.P.I., 1927-29; International Exchange Fellow to Germany, 1929-30; Fellow of the Alexander von Humbolt Foundation, Berlin, 1930-32; Ass't. Professor of Physics, W.P.I., 1932-.



FREDERICK RAYMOND BUTLER,

B.S., M.S., M.A., Ph.D.

"Rosy Cheeks"

Assistant Professor of Chemistry

Born in Worcester, Mass.; Graduated from Worcester North High School, 1916; B.S., W.P.I., 1920; M.S., W.P.I. 1922; M.A., Harvard Univ., 1924; Ph.D., Harvard, 1925; Instructor in Chemistry, Mass. State College, 1925-27; Assistant Professor of Chemistry, W.P.I., 1927-; Member of Tau Beta Pi Honorary Engineering Fraternity; Society of Sigma Xi; American Chemical Society; American Assoc. for Advancement of Science; N. E. Assoc. of Chem. Teachers; A.A.U.P.



DANIEL FRANCIS CALHANE,

B.A., M.A., Ph.D.

"Dinny"

Professor of Industrial and Electro-Chemistry

Born in Bradford, Mass.; Graduated from Haverhill High School; A.B. Harvard Univ., 1894; A.M. Harvard Univ., 1896; Ph.D., 1904; Instructor at St. John's Military School, N. Y., 1894-95; Garland School, Concord, Mass., 1896-97; Harvard Univ., 1899-1903; Instructor W.P.I., 1903-13; Assistant Professor, 1913-18; Professor, 1918-; Member of the American Electro-Chemistry Society; Author of publications covering investigations in Organic and Electro-Chemistry.



PERCY ROBERT CARPENTER, A.B.

"Doc" "Percy"

Professor of Physical Education and Head of Department

Born in Menden, Ct.; Graduated from Exeter Academy; A.B., Harvard University, 1907; Hitchcock Fellow, Amherst, 1906-9; Assistant Dean, 1908-10; Instructor in Physical Education, 1909-10; Assistant Professor, 1910-11; Associate Professor 1911-16; Professor of Physical Education, W. P. I., 1916; Director of Sports, Foyer du Soldat, Paris, 1917-18; Author of "A Translation of All American Sports and Games in French"; Member of Sigma Alpha Epsilon Fraternity, Society of Directors of Physical Education in Colleges; American Physical Association; Wachusett Country Club; Exeter Alumni Association; Harvard Club.

ZELOTES WOOD COOMBS, A.B., A.M.

"Coombsie"

*Professor and Head of the English Department and
Secretary of the Faculty*

Born in Wrentham, Mass.; Graduated from Worcester High School, 1884; A.B., Amherst College, 1888; A.M., Amherst College, 1895; Attended University of Virginia, University of Berlin, Alliance Française; Instructor of English, Brooklyn Polytechnic Institute, 1888-89; University of Virginia, 1889-90; Clerk and Assistant in Languages W. P. I., 1890-92; Instructor of Modern Languages, 1892-95; Assistant Professor of Modern Languages, 1895-1901; Prof. of French, 1901-03; Prof. of English and Modern Languages, 1903-13; English, 1913-; Member of Alpha Delta Phi and Phi Beta Kappa Fraternities.



Nineteen





HAROLD WINTHROP DOWS, B.S., M.E.

"Banjo Eyes"

"Colonel"

Assistant Professor of Mechanical Engineering

Born in Salem, Mass.; Graduated from Salem High School; B.S., W. P. I., 1918; U. S. Army, 1918-19; M.E., W. P. I., 1930; Instructor in Mechanical Engineering, 1919-30; Assistant Professor, 1930-; Member of Tau Beta Pi and Sigma Xi Honorary Fraternities; American Society of Mechanical Engineers.

A. WILMER DUFF, B.A., M.A., B.Sc., D.Sc.

"A Wilmer"

Professor of Physics and Head of the Department

Born in St. John, N. B., Canada; Graduated from St. John High School; B. A. University of New Brunswick, 1884, and University of London, 1887; M.A. University of Edinburgh, 1888; B.Sc., 1892; D.Sc., 1901; LL.D. University of New Brunswick, 1920; Professor of Physics, University of Madras, 1889-90; University of New Brunswick, 1890-93; Purdue University, 1893-99; W. P. I., 1899-; Member of the Phi Sigma Kappa Fraternity; Sigma Xi; Author of Elementary Experimental Mechanics, Textbook of Physics, College Physics, Physical Measurements.



ARTHUR WOOLSEY EWELL, A.B., Ph.D.

"Punk"

Professor of Physics

Born in Bradford, Mass.; A.B., Yale University, 1897; Ph.D., 1899; Assistant in Physics, Yale, 1897-1900; Instructor, W. P. I., 1900-04; Assistant Professor, 1904-10; Professor, 1910-; Major in U. S. Army, 1917-18; Head of the Bomb Unit of the Air Service, A. E. F.; Consulting Engineer in Refrigeration; Fellow, American Academy of Arts and Sciences; Fellow in American Physical Society; Society of Refrigeration Engineers; Société Française de Physique.



Twenty



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"Pa"

Professor of Machine Construction

Born in Pattern, Maine; Graduated from the Common School and Academy; with S. A. Woods Machine Co., 1884-88; Boston and Albany Railroad, 1888-89; Goodyear Shoe Machinery Co., 1889-91; Instructor at Case Institute, 1891-99; Instructor of Machine Construction, W. P. I., 1899-1914; Assistant Professor, 1914-19; Professor, 1919-; Author of textbooks for I. C. S., technical and shop journals, Starrett Handbook; Member of Alpha Tau Omega Fraternity; Sigma Xi honorary fraternity; A. S. M. E. and the Economic Club of Worcester.



ARTHUR WILLARD FRENCH, B.S., C.E.

"Pa"

Professor and Head of the Department of Civil Engineering

Born in Battle Creek, Mich.; Graduated from Milford High School, 1885; B.S., Dartmouth College, 1891; C.E., Thayer School of Civil Engineering; With the Platte River Paper Mills and Denver Sulphite Mills, 1892-94; Colorado and Southern Railroad, 1905; Associate Professor at the Thayer School of Civil Engineering, 1895-98; Professor of Civil Engineering at W. P. I., 1899-; Member Sigma Chi Fraternity; Sigma Xi; Tau Beta Pi; A. S. C. E.; Worcester Society of Civil Engineers; Co-author of "Stereotomy" with H. C. Ives.



HAROLD JOSEPH GAY, A.B., A.M.

"Happy"

Assistant Professor of Mathematics

Born in Way, N. H.; Graduated from Keene High School; Cushing Academy; A. B., Harvard, 1919; A.M., Clark, 1922; Instructor in Mathematics W. P. I., 1919-24; Assistant Professor, 1924-; Member Sigma Xi Honorary Fraternity; American Mathematical Society; Mathematical Association of America; A. A. U. P.; S. P. E. E.

Twenty-one





GEORGE HENRY HAYNES, A.B., Ph.D.

"Jinny"

Professor and Head of the Department of Economics and Government

Born in Sturbridge, Mass.; Graduated from the Hitchcock Free High School, 1883; A.B., Amherst, 1887; Ph.D., Johns Hopkins University, 1893; Instructor of Languages, W. P. I., 1887-88; Mathematics, 1888-89; Modern Languages, 1889-90; Professor of Economics and Government, 1893; Author of Representation and Suffrage in Massachusetts, The Election of State Senators, Representation in State Legislation, and The Life of Charles G. Washburn.

JEROME WILLARD HOWE, B.S.

"Jerry" "Major"

Professor of Civil Engineering

Born in Worcester, Mass.; Graduated from Worcester English High School; B.S., W.P.I., 1909; Instructor Pennsylvania Military College, 1909-11; with Phoenix Bridge Company, 1911-13; Major U. S. Army, 1914-24; Editor of The Wireless Age, 1924; Assistant Professor of Civil Engineering, W. P. I., 1924-26; Professor, 1926-; Translated "The German Cavalry in Belgium and France" by M. von Posech; Member of Theta Upsilon Omega Fraternity; Society of Sigma Xi; Worcester Society of Civil Engineers; Boston Society of Civil Engineering; A. S. C. E.; A. A. U. P.; U. S. Cavalry Association.



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A.B., A.M., Ph.D.

"Kaiser" "Pussyfoot" "Doc"

Professor and Head of the Department of Chemistry

Born in Bangor, Maine; Graduated from Cambridge High and Latin School; A.B., Harvard University, 1889; A.M., Harvard University, 1890; Ph.D., Harvard University, 1892; Assistant in Chemistry, 1890-92; Parker Fellow, University of Berlin, 1893-94; Assistant Professor of Chemistry, W. P. I., 1894-99; Professor of Organic Chemistry, 1900-; Member of Sigma Xi; Worcester Chemistry Club; Harvard Club; American Academy of Art and Sciences.



Twenty-two



ARTHUR JULIUS KNIGHT, B.S.

"A. J." "Shrimp"

Professor of Civil Engineering and Superintendent of Buildings and Grounds

Born in Worcester; Graduated from Worcester South High School, 1903; B.S., W. P. I., 1907; with Northern Pacific Railroad, 1907-10; Instructor in Civil Engineering, 1910-16; Assistant Professor, 1916-30; Professor, 1930-; Superintendent of Buildings and Grounds, 1917-; Resident Engineer of Construction of Alumni Field; Inspection of Construction of Alumni Gymnasium 1915-16; Sanford Riley Hall, 1926-27; Member of Theta Upsilon Omega Fraternity; Sigma Xi; A. S. C. E.; Boston Society of Civil Engineers; Worcester Civil Engineering Society; S. P. E. E.; A. A. U. P.



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Born in Putney, Vt.; Graduated from Brattleboro High School; B.S., W. P. I., 1903, and E.E., 1908; Instructor in Electrical Engineering, 1904-08; Assistant Professor of Experimental Engineering, 1908-20; Professor, 1920-; Member of the Lambda Chi Alpha Fraternity; Sigma Xi; Tau Beta Pi; A. I. E. E.; Illuminating Engineering Society; Economic Club of Worcester; Appalachian Mountain Club.

GLEASON HARVEY MACCULLOUGH,

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"Blackjack"

Professor of Mechanical Engineering

Born in Sawyerville, Quebec, Canada; Graduated from Lowell High School; B.S., W. P. I., 1918; M.E., W. P. I., 1931; D.Sc., University of Michigan, 1932; Member of Student "Y" Cabinet; Tau Beta Pi Honorary Engineering Fraternity; Theta Upsilon Omega Fraternity; Sigma Xi; Instructor in Mechanical Engineering, 1918-24; Assistant Professor, 1924-31; Professor, 1931-; Author of Applications of Creep Tests; Member of A. S. M. E.; S. P. E. E.; Worcester Economic Club.



Twenty-three





MORTON MASIUS, M.A., Ph.D.

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Professor of Physics

Born in Egg-Harbor City, N. J.; Graduated from Thomas Schule (Leipzig, Germany); M.A. and Ph.D., University of Leipzig, 1908; Member of Sigma Xi Honorary Society; Fellow, Physical Society; Fellow, American Association Advancement of Science; American Association of University Professors; American Association of Physics Teachers; Charter Member, Physics Teachers Society; Whiting Fellow, Harvard, 1908-09; Instructor in Physics, W. P. I., 1909-15; Assistant Professor, 1915-19; Professor, 1919-.

HAROLD ARTHUR MAXFIELD,

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Assistant Professor of Electrical Engineering and Superintendent of the Dormitory

Born in Lowell, Mass.; Graduated from Lowell High School; B.S., W. P. I., 1916, E.E., 1925 and M.S., 1927; Captain U. S. Army, 1917-20; Research Engineer with Westinghouse Electric and Mfg. Co., 1920-21; Instructor in Electrical Engineering, 1921-27; Assistant Professor, 1927-; Superintendent of the Dormitory, 1927-; Member of Lambda Chi Alpha Fraternity; Tau Beta Pi Honorary Fraternity; Society of Sigma Xi; A. I. E. E.; S. P. E. E.



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Assistant Professor of Aeronautical Engineering

Born in Belfast, Maine; Graduated from Belfast High School, 1918; S.B., M. I. T., 1922; Member of Glee Club; Instructor in Mechanical Engineering, University of Maine, 1922-23; W. P. I., 1923-28; Assistant Professor of Aeronautical Engineering, W. P. I., 1928-; Captain in the Coast Artillery Reserves, 1929-; Author of "Design of Steel Column Slabs"; Income and Expense Records for Young Professional Men; The Airplane; Member of the Theta Upsilon Omega Fraternity; Society of Sigma Xi; A. S. M. E.; S. P. E. E.; Worcester Engineering Society; M. I. T. Alumni Association.

Textny-four



CARL FREDERICK MEYER, B.S., C.E.

"Carl" "Chief"

Assistant Professor of Civil Engineering

Born in Lawrence, Mass.; Graduated from Lawrence High School; B.S., W. P. I., 1922, and C.E., 1929; U. S. Coast and Geodetic Survey, 1922-23; Engineering Draftsman, 1923-24; Instructor in Civil Engineering, 1924-29; Assistant Professor, 1929-; Engineer of Cobble Mountain Water Project; Member of Theta Chi Fraternity; Tau Beta Pi Honorary Engineering Fraternity; Society of Sigma Xi; A. S. C. E.; Worcester Society of Civil Engineers; A. A. U. P.



THEODORE HARDING MORGAN,

A.B., E.E.

"Theo"

Professor of Electrical Engineering and Head of Department

Born in New Brunswick, Canada; Prepared at Edmonton, Alberta; A.B., Stanford, 1920, and E.E., 1929; Instructor in Electrical Engineering, Stanford, 1922-26; Assistant Professor and Assistant to Executive Head of Electrical Engineering Department, 1927-31; Professor, W. P. I., 1931-; Superintendant Foundation Company, Victoria, British Columbia; Engineer with Great Western Power Company, San Francisco, Cal, 1920-22; Member of Alpha Tau Omega Fraternity; American Institute of Electrical Engineers.

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"Doc"

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Born in Templeton, Mass.; Graduated from Goddard Seminary; A.B., Tufts, 1904; A.M., Tufts, 1904; Ph.D., Clark, 1910; Instructor in Mathematics, University of Maine, 1904-07; W. P. I., 1910-11; University of Illinois, 1911-12; Assistant Professor, W. P. I., 1912-17; Professor, 1917-21; John E. Sinclair Professor, 1921-; Member of Lambda Chi Alpha Fraternity; Phi Beta Kappa and Sigma Xi Honorary Fraternities.



Twenty-five





HOBART HALLETT NEWELL, B.S.

"Sparks"

Assistant Professor of Experimental Electrical Engineering

Born in Cumberland, Mass.; Graduated from Barre, Vt., High School, 1914; B.S., W. P. I., 1918; U. S. Naval Experimental Station, 1918-19; Research Assistant in Westinghouse Research Laboratory, 1919-21; Instructor in Electrical Engineering, 1921-28; Assistant Professor of Experimental Electrical Engineering, 1928; Member of Alpha Tau Omega Fraternity; Tau Beta Pi Honorary Fraternity; Society of Sigma Xi; A. I. E. E.; S. P. E. E.; American Radio Relay League; Institute of Radio Engineering; Chief Engineer at Radio Station WTAG.

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Born in Boston, Mass.; Graduated from Boston English High School, 1914; U. S. Army, 1917-19; B.S., Dartmouth College, 1920; M.A., Clark, 1922; Instructor in Mathematics, W. P. I., 1920-30; Assistant Professor, 1930-; Member of Phi Gamma Delta Fraternity; Sigma Xi Honorary Society; American Association of University Professors.



CLARENCE ALBERT PIERCE,

B.S., M.S., Ph.D.

"Doc"

Professor of Theoretical Electrical Engineering

Born in Redding, Ct.; Graduated from Mt. Hermon Preparatory School, 1898; B.S., Wesleyan University, 1902; M.S., 1904; Ph.D., Cornell University, 1908; Member of Phi Nu Theta Fraternity; Phi Beta Kappa Honorary Fraternity; Sigma Xi; Instructor in Electrical Engineering, Cornell, 1904-11; Assistant Professor of Theoretical Electrical Engineering, W. P. I., 1911; Co-author with F. J. Adams, *The Theory of the Non-Elastic and Elastic Catenary as Applied to Transmission Lines*; *Formulas for Capacity of Single-Phase Transmission Lines and Cables*; Member of A. A. U. P.; Society for the Promotion of Engineering Education.



SAMUEL JAMES PLIMPTON, Ph.B., Ph.D.

"Plimp"

Assistant Professor of Physics

Born in Hartford, Conn. Graduated from Hartford High School; Ph.B., Yale, 1905, and Ph.D., 1912; Loomis Fellow, 1905-06; Stanley Electric Works, 1906-1910; Assistant in Physics, 1909-12; Instructor, 1912-13; Johns Hopkins, 1913-14; W. P. I., 1914-19; Assistant Professor 1919-; Visiting Professor, University of London, 1919-1920; Member Christ Church, Oxford University. Author of: "Recombination of Ions in Gases," "Scattering of Rays in X-Ray Diffraction," "Partial Differential Equation of Mathematical Physics." Member Sigma Xi.



CARLETON ALLEN READ, S.B.

"B. A."

Professor of Steam Engineering

Born in North Hanover, Mass. Graduated from M. I. T., 1891; Instructor in Mechanical Engineering, M. I. T., 1891-99; Professor, University of New Hampshire, 1899-1908; Professor of Steam Engineering, W.P.I., 1908-; In charge of evening steam courses at Franklin Union, 1908-16; Member of Theta Chi and Sigma Xi Fraternities; American Society of Mechanical Engineers.

HARRIS RICE, B.S., A.M.

"Ricey"

Professor of Mathematics

Born in Worcester; Graduated from English High School, 1907; B.S., W. P. I., 1912; A.M., Harvard, 1922; Instructor in Mathematics, Tufts, 1915-19; Harvard, 1918; Assistant Professor, Tufts, 1919-20; W. P. I., 1920-24; Professor, 1924-; Secretary of the Tech Council; Member of Sigma Xi Honorary Society; American Mathematical Society; Mathematical Society of America; Association of Teachers of Mathematics in N. E.; A. A. U. P.; S. P. E. E.; American Association for the Advancement of Science.



Twenty-seven





ALBERT SUTTON RICHEY, B.M.E., E.E.

"A. S." "Al"

Professor of Electric Railway Engineering

Born in Uluncie, Indiana; Graduated from Uluncie High School; B.M.E., Purdue University, 1894, and E.E., 1908; Assistant Professor of Electric Railway Engineering, W. P. I., 1905-07; Professor, 1907-; Chairman Interfraternity Council; Member of Phi Delta Theta Fraternity; Sigma Xi; Tau Beta Pi; Fellow, American Institute of Electrical Engineers; Engineers Club of New York; University Club of Boston; American Electric Railway Association; Worcester Country Club; Worcester Rotary Club.

FRANCIS WILLIAM ROYS, B.S., M.E.

"Spider"

Professor of Mechanical Engineering and Head of Department

Born in Nantucket, Mass.; Graduated from Worcester Academy, 1905; B.S., W. P. I., 1909; M.E., W. P. I., 1917; Member of Glee Club; Member of Phi Sigma Kappa Fraternity; Sigma Xi; with Holyoke Machine Co., 1909-10; Instructor W. P. I., 1910-16; M. I. T., 1916-17; Assistant Professor, 1917-23; Professor, 1923-; Author of Materials of Engineering Construction; Member A. S. M. E.; A. S. T. M.; A. S. S. T.



ALFRED LINCOLN SMITH, B.S., M.S.

"Dingtoe" "A. L."

Professor of Drawing and Machine Design and Assistant to the President

Born in Mattoon, Ill.; Graduated from Springfield, Mass., High School, 1886; B.S., W. P. I., 1890; M.S., W. P. I., 1899; Member Sigma Xi Honorary Fraternity; Assistant in Mechanical Engineering Laboratory, 1890-91; Instructor of Mechanical Drawing, 1891-1900; Assistant Professor, 1900-06; Professor, 1906-; Assistant to the President, 1923; Chairman of Committee on Students, 1914; Committee on Scholarships, 1919; Member A. S. M. E., A. A. U. P. and N. E. Historical Society.

Twenty-eight



MAURICE EDWARD SMITH,

B.A., M.A., Ph.D.

"Tombstone"

Assistant Professor of Chemistry

Born in New Brunswick, Canada; Graduated from Fredericton High School; B.A., University of New Brunswick, 1917; M.A., University of Toronto, 1919, and Ph.D., 1921; Assistant in Chemistry, 1917-21; Lecturer in Organic Chemistry, Queen's University, 1921-22; Instructor in Chemistry, W. P. I., 1924-27; Assistant Professor, 1927-; Assistant Analyst in Food and Drug Division of Department of Health of Canada, 1922-24; Member of Society of Sigma Xi; American Chemical Society; Fellow of the Canadian Institute of Chemistry.



HERBERT FOSTER TAYLOR, B.S.

"Herb"

Assistant Professor of Civil Engineering and Secretary-Treasurer of the Alumni Association

Born in Amesbury, Mass.; Graduated from Amesbury High School; B.S., W. P. I., 1912; Assistant Editor of the Aftermath; Member of Sigma Alpha Epsilon Fraternity; Skull; Class President; Track "W"; C. E. Society; with Northern Pacific Railroad, 1912-14; U. S. A., Engineer Officer's Training Camp, Fort Leavenworth, Kansas, Sept.-Nov., 1917; Regimental Adjutant with 319th Engineers; Captain, July, 1918-19; Assistant Engineer, City of Cleveland, 1920; Assistant Professor, Civil Engineering, W. P. I., 1920; Secretary-Treasurer of the Alumni Association, 1922-.



Instructors



"Emil"

ALLEN EMIL ANDERSON, A.B., M.A.

Instructor in Mathematics

Born in Viborg, So. Dakota; Prep. Blair High School, Blair, Nebraska; A.B., Univ. of Nebraska, 1923; M.A., Univ. of Nebraska, 1924; Member of Sigma Xi Honorary Society; Instructor in Math., Univ. of Oklahoma, 1924-25; Assistant Professor of Math., N.E., Mo., State Teachers College, 1925-28; Instructor in Math., Harvard University, 1929-32; Instructor in Math., W. P. I., 1932-.

IVAN EDWIN BIGLER

Instructor in Physical Education

Born in Bradford, Ohio; Juniata Academy, 1912; A.B., Juniata College, 1916; Springfield College, 1916-17; U. S. Marines; Instructor in Physical Education, W. P. I., 1921-; Member Skull at W. P. I.; American Physical Directors Association; American Football Coaches Association; Coach, W. P. I. Football, Basketball, and Baseball teams.



"Pete"



"Bortzie"

NELSON MARKLEY BORTZ, B.S., A.M.

Instructor in Economics and Government

Born in Collegeville, Pa.; Prep. Collegeville High School; B.S., Ursinus College, 1930; A.M., Clark University, 1931; Editor Senior Class Year Book; Editorial Staff of weekly college paper; Debating; Student at University of Pennsylvania, 1931-32; Fellow in Economics, Clark University, 1932-33; Instructor in Economics and Government, W. P. I., 1932-33; Member American Economic Association.



LESLIE BARTLETT BRAGG, S.B., S.M.

Lecturer in Chemical Engineering

Born in Milford, Mass.; Prep. Milford High School; S.B., M. I. T., 1925; S.M., M. I. T., 1929; Member of Alpha Chi Sigma Fraternity; Varsity Track Team; Assistant Chem. Eng. Dept., M. I. T., 1925-27; Research Assistant in Fuel and Gas Eng., 1927-28; Research Associate, 1929-32; Lecturer in Chemical Engineering, W. P. I., 1932-; Member American Chemical Society.



"Bragg"



"Brownie"

EDWARD CHOATE BROWN, A.B., M.A.

Instructor in Mathematics

Born in Marblehead, Mass.; Graduated from Marblehead High School; A. B., Harvard, 1918; M.A., University of Maine, 1923; Instructor in Mathematics, General Electric Engineering School, 1918-21; University of Maine, 1921-24; W.P.I., 1924-; Member of Mathematical Association of America; N. E. Association of Mathematics Teachers; Society for Promotion of Engineering Education; National Education Association; American Association of University Professors.

WALTER RAYMOND DEVOE

Instructor in Mechanical Engineering

Born in East Brookfield, Mass. Assistant in Pattern-Making, W. P. I., 1924-30; Instructor in Mechanical Engineering, W. P. I., 1930-.



"Ray"

Thirty-one





"Don"

DONALD GRAHAM DOWNING, B.S.

Instructor in Mechanical Engineering

Born in Worcester, Mass.; Graduated from South High School, Worcester, 1922; B.S., W. P. I., 1926; Member of Phi Sigma Kappa Fraternity; Skull Honorary Society; Masque; Basketball Manager; News Editor, Tech News; Associate Editor of the PEDDLER; Instructor in Civil Engineering, Lehigh University, 1926-27; Instructor in Mechanical Engineering, W. P. I., 1927-. Faculty advisor of the Masque.

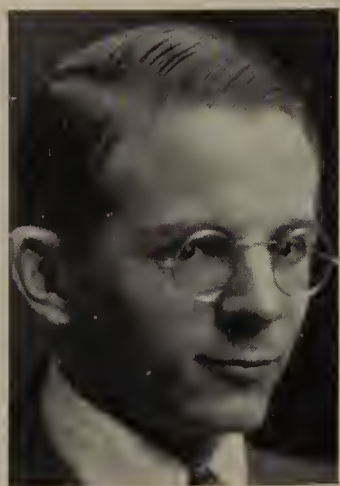


"Harry"

HARRY BENJAMIN FELDMAN, B.S., M.S.

Instructor in Chemistry

Born in North Brookfield, Mass.; North Brookfield High School, 1922; B.S., W. P. I., 1926; M.S., 1929; Instructor in Chemistry, W. P. I., 1926-; Member American Chemical Society; Worcester Engineering Society; Sigma Xi; Skeptical Chymists; and Reserve Officer's Association.



"Stan"

STANLEY HERBERT FILLION, B.S.

Instructor in Civil Engineering

Born in Springfield, Mass.; Prep. Springfield Technical High School; B.S., W. P. I., 1930; Tech News; Assistant Editor Tech Bible; Associate Editor PEDDLER; Member Tau Beta Pi and Sigma Xi Honorary Fraternities; Instructor in Civil Engineering, W. P. I., 1930-; Member of American Society of Civil Engineers.



JOHN EDWARD FITZGERALD, A.B., M.A.

Instructor in Modern Languages

Born in Fitchburg, Mass.; Graduated from Fitchburg High School; A.B., Clark University, 1927; M.A., Middlebury College, 1931; Student Assistant in Geology, Clark University, 1925-27; Instructor in Modern Languages, W. P. I., 1927-; Member of Alpha Sigma Alpha Fraternity; Alpha Epsilon Upsilon and Gryphon honorary societies; Director of Musical Association; Member of Alpha Tau Omega Fraternity.



"Fitzy"



"Frank"

FRANK W. GRANT

Instructor in Swimming

Born in Pittsburg, Penna.; Instructor in Swimming, Norfolk Naval Training Station, 1921-22; Olympics, 1924; Many New England Free-Style Championships, 1924-29; Instructor in Swimming, W. P. I., 1929-; Coach Swimming Team.

BURTON LINWOOD GRAY

Instructor in Foundry Practice and Superintendent of the Washburn Shops

Born in China, Maine; Graduated from Maine Wesleyan Seminary; Instructor in Foundry Practice, W. P. I., 1910-; Superintendent of the Washburn Shops, 1928-; Author of "Foundry Practice"; Member of American Foundrymen's Association; American Society for Steel Treating; Worcester Engineering Society; Gray Iron Institute; Worcester Economic Club.



"Burt"

Thirty-three





"Higgy"

EDWIN HIGGINBOTTOM, A.B.

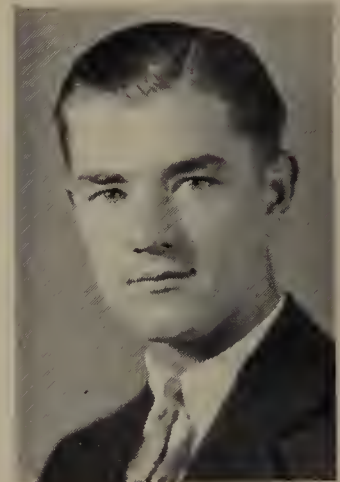
Instructor in Modern Languages

Born in Millbury, Mass.; Graduated from Millbury High School, 1921; A.B., Clark University, 1926; A.M., Harvard, 1932; Delta Mu Fraternity; Gryphon Honorary Society; Varsity Soccer; Varsity Basketball; Teacher of French, Millbury High School, 1926-27; Instructor in Modern Languages, W. P. I., 1927-; Coach W. P. I. Soccer Team.

GUNNAR EUGENE HOLLSTROM, A.B., C.E.

Instructor in Civil Engineering

Born in No. Vassalboro, Maine; Graduated from Lawrence High School, 1926; A.B., Dartmouth College, 1930; C.E., Thayer School of Civil Engineering, 1931; Member of Kappa Kappa Kappa Fraternity; Green Key Honorary Society; Instructor in Civil Engineering, W. P. I., 1931-; Member Thayer Society of Civil Engineers; A. S. C. E.; Worcester Society of Civil Engineers.



"Gunnar"



"Hoop"

LESLIE JAMES HOOPER

Instructor in Hydraulic Engineering

Born in Essex, Mass.; Graduated from Millbury High School, 1920; B. S., W. P. I., 1924; M.E., W. P. I., 1928; Member of Sigma Xi and Tau Beta Pi Fraternities; With Canadian General Finance Co., Ltd., Brazil, 1924-27; With C. M. Allen, 1927-; Instructor W. P. I., 1931-; Member A. S. M. E.



CLYDE WARNER HUBBARD, B.S., M.E.

Instructor in Mechanical Engineering

Born in Holden, Mass.; Graduated from North High School, Worcester, Mass., 1922; B.S., W. P. I., 1926; M.E., W. P. I., 1931; Member of Sigma Alpha Epsilon Fraternity; Tau Beta Pi, and Sigma Xi Honorary Fraternities; Track, Cross-Country, Football Teams; Instructor in Hydraulics at W. P. I., 1926-; Laboratory Assistant and Hydraulic Engineer at Alden Hydraulic Laboratory, 1926-; Member of American Society of Mechanical Engineers.



"Clyde"



"Carl"

CARL GUNNARD JOHNSON

Instructor in Mechanical Engineering

Born in Worcester, Mass.; Assistant in Forge Practice, 1917-21; Instructor in Forge Practice, 1921-31; Instructor in Mechanical Engineering, 1931-; Author of articles on Forging Practice and Metallurgy; Member of American Society of Mechanical Engineers and Worcester Engineering Society.

CARL WILLIAM LARSON, B.M.E.

Instructor in Mechanical Engineering

Born in Worcester, Mass.; B.M.E., Northeastern, 1923; With Worcester Electric Light Company, 1921; Lombard Governor Company, 1923; Instructor in Mechanical Engineering, W. P. I., 1923-; Member of American Society of Mechanical Engineers; Society for Promotion of Engineering Education; Senate Honor Society of Northeastern University.



"Butch"

Thirty-five





"P"

WILLARD ELLIOTT LAWTON, B.S., M.S.

Instructor in Physics

Born in Worcester. Prep: Worcester English High School; B.S., W. P. I., 1920; M.S., 1922. Member Sigma Xi. Instructor in Physics, W. P. I., 1922-.



"Bill"

WILLIAM WILLARD LOCKE, JR., B.S.

Instructor in Electrical Engineering

Born in Framingham, Mass.; Prep. Huntington School, Boston; B.S., W. P. I., 1930; Member Lambda Chi Alpha Fraternity; Swimming sWT; Graduate Assistant in E.E., 1930-32; Instructor in E.E., 1932-; Assistant to Sup't. of Dormitory, 1931-; Associate Member A. I. E. E.



"Pop"

WALTER WILLIAM MONROE

Instructor in Pattern-Making and Drawing

Born in Shrewsbury, Mass.; Worcester High School, 1890; Holyoke Machine Co., 1890-1924. Instructor in Pattern-Making, W. P. I., 1912-26; Instructor in Pattern-Making and Drawing, 1926-; Author of "Pattern-Making."



JOHN MATTHEW PETRIE, B.S.

Instructor in Chemistry

Born in East Providence, R. I. Prep. Worcester North High School; B.S., W. P. I., 1929; M.S., 1931. Member: American Chemical Society, Worcester Chemist Club, Sigma Xi. Graduate Assistant in Chemistry, 1929-31. Instructor in Chemistry, 1931-.



"Petrie"



M. LAWRENCE PRICE, B.S.

Instructor in Mechanical Engineering

Born in Larned, Kansas; Prep. West Palm Beach High School; B.S., W. P. I., 1930; Member Sigma Alpha Epsilon Fraternity; Skull; Class President; Track "W"; Y. M. C. A. Cabinet; Tech Council; Instructor in Mechanical Engineering, 1930-; Member of American Society of Mechanical Engineers.

"Cookie"

WARREN RICHARD PURCELL, B.S.

Instructor in Physics

Born in Worcester, Mass.; Prep. Classical High School, Worcester; B.S., W. P. I., 1930; Member of Orchestra; Commencement Committee; Instructor in Physics, 1931; Member American Institute of Electrical Engineers.



"Bim"

Thirty-seven





"Rawson"

LOUIS WINDSOR RAWSON, B.S.

Director of the Washburn Shops

Born in Worcester, Mass.; Graduated from Worcester High School, 1889; B.S., W. P. I., 1893; Member of Sigma Xi honorary society; Baseball, Track; Treasurer Athletic Association; Business Manager of Year Book; Manufacturer of Bicycles, Rawson Mfg. Co., 1893-1901; Supt. H. C. Fish Machine Co., 1901-03; Supt. of Washburn Shops, 1903-23; Director of the Washburn Shops, 1923-; Lecturer in Organization and Finance, W. P. I., 1924-32; Member of Worcester Economic Club.

LESLIE LELAND ROBINSON, B.A., B.E.E.

Instructor in Electrical Engineering

Born in Creston, Iowa; Prep. North High School, Columbus, Ohio; B.A., Ohio State University, 1925; B.E.E., Ohio State University, 1926; Member of Tau Beta Pi, Pi Mu Epsilon, Sigma Xi Honorary Fraternities; Student Assistant in Electrical Engineering, Ohio State, 1925-26; Instructor in Electrical Engineering, W. P. I., 1930-; Member A. I. E. E.; S. P. E. E.; University Club of Columbus, Ohio.



"Robbie"



"C. K."

CLAUDE KNIGHT SCHEIFLEY, A.B.

Instructor in German

Born in Tamaqua, Pa.; Graduated from Tamaqua High School, 1924; A.B., University of Pennsylvania, 1928; Member of Phi Kappa Tau Fraternity; Eta Sigma Phi Honorary Fraternity; Zelosophic Society; Deutscher Verein; Instructor in German, W. P. I., 1928-; Member of Modern Language Association.

Thirty-eight



ALBERT JAMES SCHWIEGER, B.A., M.A.,

Instructor in Economics and Government

B.A., Hamline University, 1928; M.A., Clark University, 1929; Assistant in Economics and Sociology, Clark University, 1928-29; Fellow, 1930-32; Instructor in Economics, University of North Dakota, 1929-30; Economics and Government, W. P. I., 1930-.



"Al"



"Ellis"

ELLIS RUSSELL SPAULDING, B.S.

Instructor in Mechanical Engineering

Born in Keene, N. H.; Prep. Keene High School; B.S., W. P. I., 1932; Member Theta Upsilon Omega Fraternity; Tau Beta Pi; Sigma Xi; Class Day Committee; Instructor in Mechanical Engineering, W. P. I., 1932-; Member American Society of Mechanical Engineers.

ARTHUR JUSTIN STAPLES, B.S.

Instructor in Mechanical Engineering

Born in New Brunswick, Canada; Graduated from Washburn High School, Washburn, Me., 1922; B. S., University of Maine, 1927; Member of Sigma Chi Fraternity; University Band; Campus Board; Rifle Team; Instructor in Mechanical Engineering, W. P. I., 1927-; Member of American Society of Mechanical Engineers.



"P. P."

Thirty-nine





"Paul"

PAUL RICHARD SWAN, A.B., A.M.

Instructor in English and General Secretary of Y. M. C. A.

Born in Rhinelander, Wisconsin; Graduated from Technical High School, Providence, R. I., 1919; A.B., Clark University, 1926; A.M., Clark, 1929; Member of Delta Mu Fraternity; Editor Handbook and Yearbook; Dramatic Club; Glee Club; Quartette; Secretary of Boy's Work, Worcester Y. M. C. A., 1923-25; General Secretary of W. P. I., Y. M. C. A., 1925-; Instructor in English, W. P. I., 1928-; Member W. P. I. Alumni Association; Clark Alumni Association; National Association of Y. M. C. A. Secretaries.

ARTHUR MOTT TARBOX, B.S., E.E.

Instructor in Physics

Born in Chelsea, Mass.; Prep. Laconia (N. H.) High School; B.S., W. P. I., 1928; E.E., W. P. I., 1931; Member Tau Beta Pi; Sigma Xi; Theta Chi Fraternity; Track "W"; Band; Y. M. C. A. Cabinet; Research Engineer for Westinghouse Electric and Manufacturing Co., 1928-31; Instructor of Physics, W. P. I., 1931-; Associate Member of A. I. E. E.



"Archie"



"Frannie"

ALMON FRANCIS TOWNSEND, JR., B.S.

Instructor in Mechanical Engineering and Assistant to Professor of Business

Born in Worcester, Mass.; Prep. North High School, Worcester, Mass.; B.S., W. P. I., 1931; Member Phi Gamma Delta; Tau Beta Pi; Sigma Xi; Skull; Track "W"; Manager Football; President Athletic Association; Tech Council; Permanent Class Vice-President; Instructor in Mechanical Engineering, 1931-32; Instructor in Mechanical Engineering and Assistant to Professor of Business, 1932-; Member A. S. M. E.



BERNARD LEIGHTON WELLMAN, B.S.

Instructor in Mechanical Engineering

Born in Joliet, Ill.; Prep. Joliet Township High School; Joliet Junior College; B.S., University of Illinois, 1930; Member of Tau Beta Pi, Pi Tau Xi Honorary Fraternities; Instructor in Mechanical Engineering, 1930; Member American Society of Mechanical Engineers.



"Wellman"



"Jack"

JOHN HAMILTON WHENMAN, B.S.

Instructor in Mechanical Engineering

Born in Leominster, Mass.; Graduated from Leominster High School, 1922; B.M.E., Northeastern University, 1926; Member of Beta Gamma Epsilon Fraternity; Society for Promotion of Engineering Education; Instructor in Mechanical Engineering, W. P. I., 1926-.

CHARLES LESLIE WRIGHT, B.S.

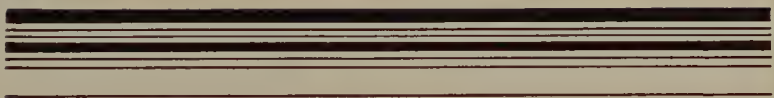
Instructor in Mechanical Engineering

Born in Worcester, Mass.; Prep. Palmer High School, Palmer, Mass.; B.S., W. P. I., 1930; Member Lambda Chi Alpha Fraternity; Tau Beta Pi Honorary Fraternity; Y. M. C. A. Cabinet; Basketball Manager; Instructor in Mechanical Engineering, W. P. I., 1930-; Member of American Society of Mechanical Engineers.



"Charlie"





CLASSES



CLASS OF 1933



History of the Class of 1933

DO YOU REMEMBER?

Do you remember back in September 1929 when we, the great class of 1933, first came to Tech?...there were two hundred eighteen strong, strong and brave...we had to be...and during that first week there were from time to time lectures acquainting us with the traditions at Tech...we soon had a temporary chairman and a Goat's Head committee...Friday, October 4th when the Sophomores were waiting outside the M.E. building with a set of new paddles which were soon gracing the walls of the dormitory...how Johnny Kane ran wild against Arnold in the last quarter...then came our first class elections with Leighton Jackson as president, Johnny Kane as vice-president, Tack Hammer as secretary, Roy Driscoll as treasurer, and John Church as historian...our reception at Prexy's...the rope-pull with the Freshmen remaining the dry class...Hempstone goes on the first mysterious ride and sees much of the surrounding country...Angora cat attracts more attention than does Coombsie's English lecture...when some of our classmates went to classes clad in surprisingly original costumes, through no fault of their own...interclass sports were evenly divided, the Sophs taking football and the Frosh soccer...our first Tech Carnival and how we carried off the "Y" cup with our television skit...lack of experience caused our loss in the inter-class shooting and swimming matches...Christmas recess offered us our first respite from studies...night before recess finds Maxy wondering what to do with the Ford he found on the first floor of the dorm...return from our vacation with the prospects of our first set of finals in the all too near future...pledging by the Knights of the Road amid the crashing of cymbals, Nicoletti, Parker, Furman...entering the second term with a determination to carry off all honors...semi-annual faculty weeding takes its usual number... Descript comes to the fore with evening sessions making use of the slate walls... Freshman Dormitory dance a social highlight...the annual banquet from the annual surplus...fraternity pledging when Freshmen found out their unlimited popularity...only to be shown their proper place some few weeks later...again came class elections...Hammer filling the president's chair, Manvel as vice-president, Gustafson secretary, Joe Fogg auditor, Driscoll and Church re-elected as treasurer and historian...class asserts itself again by defeating the Sophomores in basketball...then came the series of orientation talks by the department heads setting forth the merits of their respective departments...at the annual Tech Banquet we won the decision in the skit supported by the class of '31...loss of bowling match our only set-back of the term by the Sophomores...pajama parade to Horticultural Hall to serenade the Junior Prom...showed the Goat's Head under the very noses of the Sophomores at the track meet, and successfully eloped with it...evidently buried in the Far West...came the lazy days...Pop Adams' early summer philosophy...approaching exams...restlessness in the dorm...our first summer shop...and we were no longer Freshmen.

Do you remember how we returned in the fall...much more sophisticated...to subdue the Freshmen our one objective...Johnny Molloy and the vigilance committee...a hundred Freshmen on the Dorm steps and less than a half dozen Sophomores... Doc's pushball allowed the Frosh to draw first blood in inter-class rivalry

Forty-five



...paddle rush became a thing of the past...then the football season with Biglermen finding that many of them are in the class of '33...we begin to even the score by taking the inter-class track meet...again class elections came around...

Rope pull...over-confident Sophs...and '33 is no longer the dry class...greased flag pole prevents raising of the Freshman flag...they go into a huddle with the result that the difficulties are overcome and during the Musical Association dance the flag is raised...job was well done...class of '33 had no greased pole artists and flag remained aloft for several days...general laxity on the part of the Freshmen...Sophs go into a huddle and the careless Frosh find themselves adorning the campus with humorous devices brought forth by Sophomore ingenuity...inter-class soccer game ends in tie with overtime periods failing to break the deadlock...we later lost in the play-off...through a weird exhibition of football the Sophs overcome the Freshmen in the inter-class contest...we also take the swimming meet aided greatly by Tinker...again midyears rolls around and we start the year's second lap...'33 defeats '34 in basketball...election of class officers finds Manvel the only officer returned; Molloy vice-president; Gustafson secretary; Al Bell treasurer; Ostlund auditor; and Vail historian...with spring in the offing, thoughts again turn to the lazy days...the Profs sense it...and to occupy the time we get more work...Sophs win goat's head...a hot night in the latter part of May finds the Soph Hop being held in Sanford Riley...the strains of the Lido Venice Band...and we were soon looking back upon the first two years at Tech...no longer Sophomores.

Do you remember coming back for the Junior year...at last upper classmen...we were now among the intellectual...a definite purpose...eight of our number were on the football squad...Maggiacomo elected captain for the next season. Ed Allen co-captain of soccer, and is elected captain for the season of '32...we become champions for the Freshmen, remembering our own position a few years back...Jerry Vail becomes class president; Gustafson, secretary; Bell, treasurer; Ostlund, auditor; and Gleason, historian...we become acquainted with entropy, that mysterious something...through all this we are studying...Tau Beta Pi honors two Juniors at the fall elections, Allen and Manvel...basketball finds Gartrell, Hammer, and Johnny Smith mainstays of Coach Bigler's team...Gartrell is made captain for the following year...swimming team meets difficulty under the new N.E.I.A.A. ruling...we follow the track team through a successful season with nine of the members from our class...Vail is again chosen to direct the affairs of our class; Ostlund, secretary; Bass, treasurer; Keefe, historian; and Sweetser, auditor; Manvel is vice-president...preparations begin early for Junior Week...spring finds many of last year's men on the teams with new additions...campus activities finds many of the Juniors well up in numbers...we elected Driscoll chairman of the Junior Prom committee assisted by Jackson, Roberts, Ostlund, Newell, Allen, Art Smith, and Brewer...came the Prom climaxing Junior Week...listening to Mickey Alpert and his Seaglades orchestra...the Bancroft a scene of gaiety...a glorious weekend...Sigma Xi claimed fifteen Juniors to associate membership...further evidence that we were still studying...more lazy spring days...final exams to wake us, to make us realize that there was still work to be done...three weeks of summer shop...we were Seniors.

Do you remember that the latter part of September found us back again...one desire only...to graduate...anxious lest something may prevent us...determined



to finish...to forget that there was a depression...a successful season for the football team...Captain Maggiacomo, Gartrell, Peterson, Molloy, Spence, Sodano playing their last games for Tech... Captain Allen, Hammer, Lyman, and Tripoli kicked their last goals for the soccer team...looking with favor at the return of the old paddle rush, though not so active as the last one in '29...looking with amusement at the antics of the lower classes...wishing to join them...but remembering that we were Seniors...determining that when we were wealthy alumni to furnish Chaffins with a set of steam-heated current meters...not overlooking the pleasant fall afternoons spent at the lab proving to our own satisfaction at least, that $Q=AV$...our class officers were Hammer, president; Manvel, vice-president; Sweetser, secretary; Carl Johnson, treasurer; Jensen, auditor; Anderson, historian;...following the Presidential campaign having our own straw ballot.. Lyman and Molloy are tapped for Skull...we are still studying as evidenced by the election of eight Seniors to Tau Beta Pi...the indoor teams for the winter season find more Seniors playing their final season under the Crimson and Gray... Christmas approaches which means that more exams are in the offing...we get busy with $F=MA$...they are over...and graduation seems more than a will 'o the wisp...it is something within our grasp... we elect our permanent class officers, Hammer is again our president; Manvel, vice-president; Allen, treasurer; Sweetser, secretary; Anderson, historian; and Lyman, auditor...committees are selected for Commencement week...plans go ahead...we look about for leads to jobs...prospects are none too bright...we think of the future...things look brighter again...we are engineers...there must be progress...another spring rolls around...events happen quickly...May...June with Baccalaureate Day, Class Day, COMMENCEMENT...the day has arrived...hasty farewells...to the school, to our classmates...hasty packing of books and clothes...hurrying for what...we are only Freshmen again...graduate work...business...the school of life...but Tech men always.





Anderson Lyman
Sweetser Manvel Hammer Allen

Senior Permanent Officers

HAROLD A. HAMMER	President
WRIGHT H. MANVEL	Vice-President
SUMNER B. SWEETSER	Secretary
EDWARD K. ALLEN, JR.	Treasurer
GEORGE W. LYMAN	Auditor
WILLIAM A. ANDERSON	Historian



EDWARD KNIGHT ALLEN, JR.

"Ed"

$\Phi \Sigma K$ T B Π

Mechanic: Prep: Springfield Technical High School.

Address: 204 Forest Park Avenue, Springfield, Mass.

Class Soccer (1, 2), (Capt. 1, 2); Jr. Prom Comm.; Chairman Soph Hop Comm.; Interfraternity Dance Comm.; Tech Carnival Skit (1); Jr. Marshal; Soccer "AWF" (1, 2, 3, 4) (Capt. 3, 4); Tennis Mgr.; "Y" Cabinet (3, 4); Jr. Editor Peddler; Photographic Editor Peddler; A. S. M. E.

Ed is popular and well known to every one on the hill. In spite of all his activities, Ed still found time to do a little studying—for all Tau Betes do study now and then. After spending a long period, flat on his back, hanging between life and death, he joined the ranks of 1933 in his Sophomore year. For four years he has been an outstanding soccer player becoming co-captain in his Junior year and captain last fall. '33 is proud of its lanky Yankee and certainly hopes to hear more of his accomplishments.

ALEXANDER L. ALVES

"Al"

T Σ E

Mechanic: Prep: Tri-State College of Engineering

Address: 78 Town Hill Ave., Danbury, Ct.

A. S. M. E., Engineering Society of Tri-State.

We shall always remember "Al" as the student who took his exercise while acquiring knowledge. As soon as Professor Roys asked the result of the quantities on the board, Al would draw out his twenty-inch slide rule. Immediately, friends on either side of him would crouch back and assume a watchful poise; for, who knew where the end of that slider would strike. His experiences, seriousness, and slight accent make him an interesting and well read conversationalist. Those who know him best will not forget the originator of the phrase, "You do not know how to apply yourself."

ARTHUR OLAF ANDERSON

"Andy"

Mechanic: Prep: Worcester North High School

Address: 34 Shattuck St., Worcester, Mass.

Golf (2, 3, 4), (Captain 4).

"Andy" has followed in the footsteps of his brother at Worcester Tech by taking the Mechanical Engineering course. It has not been a long grind to him since his name has appeared on the honor roll several times. His ability in mechanics is well recognized, but his familiarity with the fairer sex is unknown.

Studies did not receive all his attention for he is a golfer of no mean ability, as is shown by his election to captaincy. Like all good golfers "Andy" is cool and thoughtful. In addition, his kind and considerate attitude should go a long way toward making him a successful engineer.





WILLIAM ARTHUR ANDERSON

"Bill" "Andy"

A T Ω T B Π

Electric: Prep: Manchester High School
Address: 657 Canal St., Manchester, N. H.

A. I. E. E.; Historian (4a); Football Manager (4).

Bill never allowed the night life of Worcester to tempt him from his work. His recent election to Tau Beta Pi was indeed a well earned one. However, do not think that Bill is of a one track mind. On the contrary, his good humor and never failing ability to come through with an original expression have earned him the name of Gas-Pipe. Bill, as manager, piloted the football team on its successful trips last fall. His conscientiousness and earnestness have made him a worthy addition to our class.



GORDON ELLIS BARNES

"Kid" "Barnzie"

Θ X

Electric: Prep: Hardwick High School
Address: Hardwick, Massachusetts.

Rope Pull (2).

They say that G. E. is one of the principal reasons for the romantic atmosphere of which we have heard so much in Gilbertville. And it is easy to see why this may be true; we won't go any further into the details of the subject. Let it suffice to say that Gordon is a real addition to the engineering profession and that, if his first two initials are any indication of the future, the General Electric Company will soon be enjoying the fruits of his labor.



WALDO EDGAR BASS

Φ Σ K

"Wally"

Electric: Prep: Windham High School
Address: 357 Prospect St., Willimantic, Conn.
 A. I. E. E.; Treasurer (36); President (4);
 Rope Pull (1) (2); Half-way-through Banquet
 Comm.; Peddler (3) (4).

No one will forget the cheery smile of horizontal Waldo. Tech did not bother him when he was thinking of the less technical things in life. In this quest he spent many hours reading and telling others why and in what things they should train their minds. But when it came to a problem, Bass was almost always right even though he was not ambitious in doing his homework. In an argument he would say, "YES BUT," and anyone who knew him would know that the truth was forthcoming.

In later years we must look for this boy where there are "Big" men in business, because with a mind like his, we are sure of his success.



ETHAN DAVIS BASSETT

"Charlie"

Θ X

Electric: Prep: Groton High School, Bliss
Electrical School.

Address: 118 Park St., Groton, N. Y.

A. I. E. E.; Assistant Manager Swimming (3).

Charlie isn't a very noisy chap, but he accomplishes things in his quiet way. His antiquated Dodge was a safe and sure means of reaching the destinations of the Junior Electrics on their tour through Vermont. Although he is humorous by nature, when aroused, slipsticks and books are not unusual weapons. He will always be remembered by his friends as a painstaking and hard-working young man, willing to help in any way.



ALLEN BEASLEY BELCHER

"Bozo"

AXA

Electric: Prep: Springfield Technical High School

Address: 130 Bowles St., Springfield, Mass.

A. I. E. E.; Football; Track.

No, Al's home is not in Rhode Island, but in Springfield, Mass. He is well acquainted with Providence, however, and spends many a vacation in that city. "Bozo" "slipped up" in his freshman year, but he made his comeback as a sophomore, and has been with the class of '33 since that time. His ready laugh and his willing spirit have made themselves a part of our life here at Tech, and that same personality should prove to be the greatest asset to him in his future life.

Among other accomplishments, he has mastered a peculiar whistle, which manifests itself in many a lab period, for the entertainment, and in some cases, to the chagrin, of his classmates.



ALBERT ORLIN BELL

"Al"

Θ X

Mechanic: Prep: Leominster High School

A. S. M. E.; Rope Pull (1) (2); Class Football
(1) (2); Class Treasurer (3); Football.

Address: 47 Hale St., Leominster, Mass.

Hail! native son of Leominster, famous for its products, here is another one of your men that has won his spurs on the Hill. The rolls of the dormitory cain-raisers would be incomplete without having the name of this lad indelibly written on its lengthy pages. A jovial, happy-go-lucky lad, Al has won many friends by his good-naturedness and warmth of heart. Al's athletic career has been one of constant plugging and a zest for his work, and with such a background who can deny him a successful future.





JOHN ALFRED BICKNELL

"Al" "Bick"

Chemist: Prep: Deering High School
Address: 20 Pitt St., Portland, Maine.
 Skeptical Chymists.

Al is not so well known to the rest of the class as he is to the chemists. This is because he spent his first year at the University of Maine and since coming here has spent most of his time in the Salisbury Building. However, those who know him have always enjoyed his quiet, amiable companionship. If application to his work makes a successful chemist, we are confident of his future.



JOHN ALDEN BIRCH

"Johnny"

Electric: Prep: Yale University
Address: Branford, Connecticut
 Radio Club.

A bit of jollity and merriment combined with enough seriousness to balance properly—that's John. Always ready to play pranks on some one, he receives them in the same sportsmanlike manner in which they are given. Johnny became a campus figure early in his freshman course called for an exposition and John derived his material from an original experiment with a ninety-foot pendulum. Hats off to just a right good pal! May success cross your every path in future days.

days as the exponent of the trenchcoat. Coombsie's English



ROBERT WADLEIGH BLAKE

"Bob"

⊙ X

Electric: Prep: Franklin High School
Address: 18 Oak St., Franklin, N. H.
 A. I. E. E.; Track Manager (4).

The tray groaned under the weight of the twenty-five plates of pancakes, but did this appease the appetite of the Junior Electric's greatest gormandizer? No,—a thousand times, no! Bob, the greatest of pan-cake eaters, swallowed them all at a gulp and set up a terrific howl for more. No engineer should work on an empty stomach, is one of his firm beliefs. His mile-wide grin and deep bass voice always made Bob a welcomed member of the summer inspection trips.



HUGO PAUL BORGATTI

"Duke"

Mechanic: Prep: Pepperell High School

Address: Province St., E. Pepperell, Mass.

A. S. M. E.; Swimming SWT (2) (3) (4); Rope Pull (2).

The fellow in this picture is none other than the well-liked and good-natured Duke Borgatti. Duke's reputation was well established early in his freshman year by his famous, mile-wide smile. After a rather inauspicious start, he managed to keep the Tech natators very much in the swim during the past two years. The courses have been taken right in step by the Duke and after a skirmish with B.A. back in the Junior steam course we are certain that he knows when something is being done right. We are sure that his unselfish traits and self-assertion will win for Duke a great amount of respect.



CHARLES STANLEY BREWER

"Stan"

$\Phi \Sigma K$

Electric: Prep: Worcester North High

Address: 14 Dix St., Worcester, Mass.

Secretary A. I. E. E.; Track; Cross Country; Soph Hop; Junior Prom.

High spots in Stan's career:—delivering the famous Brewer interpretation of the "bird";—persuading the "struggle-buggy" that it wanted to go the remaining twenty miles home that same night;—being exempted from Dutchy's finals twice;—leading the cross-country pack home in record time after a night of dancing with the current heart-throb;—from evening clothes to corduroys in five minutes to make an eight o'clock on a morning after;—dreaming in class of the femme who thought he resembled Ramon Navarro;—cutting twelve of the fifteen monthly recitations and still passing the course.



ELLIS R. BROWN

Civil: Prep: Ashland High School

Address: 308 Union St., Ashland, Mass.

A. S. C. E.

The Ashland Milk Special brings to us each morning none other than the famous Mr. E. R. Brown. The originator of the famous "Brown Shuffle," which is captivating all the gigolos including the certain C. J. D. and C. S. B. Along with his multitude of theories of stress and strain in "Barrel Bung Holes," he is credited with the composition of the cheer: "What is the color of———?Brown-Brown-Brown." The old Brown Derby covers a lump which is capable of great accomplishments. His scholastic accomplishments are dominated by two achievements, his escapement of the clutches of Sigma Beta, and his comeback after a month of sickness in his senior year. His presence on the hill will be sadly missed after the month of June.





ALLEN LESTER BROWNLEE

"Al"

Λ X A

Electric: Prep: Windham High School

Address: South Wellington, Conn.

A. I. E. E.; "Y" Cabinet; Interfraternity Council; Glee Club (1) (2); Band (1); Rope Pull (2); Class Soccer (1); Class Bowling (2).

Al is just another little boy from the country who came to the big city to make good. Four years ago Al came to us from a little hick town down in Connecticut. He had a longing to become an engineer, and seems to be on the way to fulfilling that desire. However, soon after arriving he was asked to play nursemaid to one of our Prof's daughters and since finding the fair sex rather interesting has developed his technic along these lines until today he prides himself in the fact that he is quite accomplished at the telephone. However, altho' the girls manage to get a good share of his time, he still manages to be active on the hill and will leave in June with a good record behind him. It must be a gift, Al.



HAROLD DAVIS BURT

"Harry"

Σ Ξ

Civil: Prep: North Attleboro High School

Address: S. Washington St., N. Attleboro, Mass.

A. S. C. E.; Band (1) (2).

Four years ago Harry came to us from the Jewelry Town. From the beginning he showed that his interest was in the right place by going out for the band. Although not aggressive, his friends find that he has an active interest in their welfare. In the drafting room, Doyle and Drake often drifted over to Harry to ask about some problem and Drake always ended the session with one of his latest jokes. Those who know Harry seek to know him better, while those who know him but little seek his acquaintance. With his scholastic honors and his admirable traits, we are sure that he will climb steadily to some responsible position.



LEO BURWICK

"Leo"

Σ Ω Ψ

Electric: Prep: Worcester Classical High School

Address: 86 Penn Ave., Worcester, Mass.

Band, Radio Club, Orchestra.

Leo is another student from Classical High who is upholding the prestige of the Worcester engineers. For the entire four years his interest has been centered mainly with the musical clubs and the fraternity teams. It made little difference to Leo what sport was to be played, for he and Wolk were always ready to represent their fraternity. There have been very few of us that have been able to get that extra half hour of sleep in the morning, but for four years it has been customary to expect his appearance at 8.30 for eight o'clocks. Well—look at Jimmy Walker!



ROBERT FISKE BYE

"Bob" "Fiskey"

$\Phi \Sigma K$

Mechanic: Prep: Deering High School, Portland, Me.

Address: Kennebunk, Maine

Soccer (1); Rope Pull (2); A. S. M. E.

Due to Bob's having found it necessary to drop out of school for a year, his former class-mates have been the losers, but we of the class of '33 can say that we have found him to be a most welcome addition to our ranks. It seems that whenever things begin to look gloomy, Bob is ready with one of his typical humorous remarks. Many a dreary afternoon of machine design was brightened by Bob's super-solutions of stress in slip-sticks and the like. It is by his cheerful spirit that we shall always remember him.



JOHN BOYLSTON CAMPBELL

"Bees"

Electric: Prep: Sanford School, Redding Ridge, Conn.

Address: New Canaan, Connecticut

Radio Club, Camera Club, Glee Club.

If you want a favor done and are fortunate enough to be acquainted with smiling Bees Campbell, you are certain of his cooperation. A good deal of natural ability, combined with the profitable background of a Princeton education, has enabled Bees to be the Nemesis of the faculty of the E. E. department. For when he was really interested in a subject, who is there that could question his knowledge. During the past two years Bees has had some difficulty in proving to the faculty that the writing of reports is just so much nonsense to a truly analytical mind. Well—One sometimes wonders!



UMBERT FRANCIS CORSINI

"Bato"

$\Sigma A E$

Mechanic: Prep: Worcester North High School

Address: 239 Lincoln St., Worcester, Mass.

A. S. M. E.; Newman Club; Class Soccer (2);

Class Tennis (1); Junior Marshal; Tennis (1)

(2) (3) (4); Tennis Captain (3) (4).

Wherever one sees comedy, he is sure to find Bato. He is a perfect specimen of the genus 'whocares'. Although Bato is one of the shortest men of the class, his stature has been no handicap to his ambitions. He is a modern Tilden, having been the mainstay of the tennis team during his four years at Tech. It is a safe bet that in the near future we will hear from Bato as a famous hydraulic engineer. His attempts out at Chaffins are not to be sniffed at, as he is certainly doing wonders with that great liquid, water. We hope that he does not find it runs up hill.



Fifty-five





RAYMOND B. CRAWFORD

"Ray"

Σ Ξ

Chemist: Prep: Rutland High School

Address: Oakham, Mass.

Skeptical Chymists.

Four years ago this husky fellow ventured out of the wilds of Oakham and soon became known for his jolly nature and scholastic attainments. "Hey, Ray, what answer did you get for that problem?" is usually heard after a quiz, for if one checks with Crawford one is quite certain of being correct. Ray doesn't spend all his time with chemistry, for his week-ends and holidays are spent on the farm. He even brings the atmosphere of the farm to the laboratory in preparing compounds from natural sources. If Ray continues to mow down the obstacles in his path as he has been doing, he will gain a high place in any field which he may enter.



GUY AUSTIN CUMMINGS, JR.

"Red"

A T Ω

Electric: Prep: Ware High School

Address: Ware, Mass.

A. I. E. E.; Chairman Half-way-thru banquet
Comm.; Peddler; Rope Pull (1) (2); Tennis.

One balmy day in late September of the year 1929, Red blew in from the country and proceeded to intrench himself in the depths of Sanford Riley Hall. It was there that we were to hear of Ware, for the first—but by no means the last—time, for numerous anecdotes concerning that thriving metropolis are eternally springing from the lips of its progeny. Like a great many other wise people in this age, Red believes that the future is going to depend in no small degree upon the accomplishments of the electrical engineer. Never noisily prominent and ever wide-awake, he is the sort of fellow for whom you are safe in prophesying a successful future.



GEORGE DAVAGIAN

Mechanic: Prep: Millbury High School

Address: 132 Providence St., Millbury, Mass.

A. S. M. E.

George, our loyal comrade, is finding it pleasant to loiter by the wayside, but will soon follow us. It was always a source of great joy to be able to work with George in M. E. Laboratory, for when the log sheets were almost beyond hope, he was always ready to supply the needed details. Wasn't it George that mitigated our sorrow and alleviated our misery when Ajax inevitably demanded a six-foot rule? His quizzical attitude and unrelenting demand for an explanation are true characteristics of a successful engineer.



THOMAS EMERSON DECKER

"Tom"

Φ Σ K

Mechanic: Prep: Worcester Classical High

Address: 16 Vesper St., Worcester, Mass.

A. S. M. E.; Class Basketball (1) (2) (3);

Junior Marshall; Basketball (1) (2) (4); Tech

Council (3) (4); Interfraternity Council (3)

(4), Treasurer Interfrat. Council (4).

And here we have Tommie Decker right from the Worcester Wilds, namely Tatnuck. Four years ago this unassuming young man made his first appearance at Tech. Then things began to happen; bigger and better women at Tech dances, more life to parties he attended, and that inimitable laugh of his. Tommie played a sterling game of basketball with the varsity this year, and made a host of friends because of his playing ability. Through all of this he has maintained a good scholastic average. Rumor has a trip South for him this year, but our bet is that he will soon settle down right here in Worcester.



ARTHUR DESLAURIERS, JR.

"Del"

Civil: Prep: David Prouty High School

Address: 31 Temple St., Spencer, Mass.

Rope Pull (2); Baseball.

During his years in the civil diggings, Del has won the proud admiration of his classmates. It is generally conceded that few can exhibit a pocket handkerchief or flaunt a daring cravat with more elegance than this sartorial master. As a member of the Commissioned Commuters Commotion he has upheld the dignity and prestige of W. P. I. by getting to class in spite of overdue trains and other depot anchors. The A. S. C. E. has profited by Del's membership and we know that he will be successful as an engineer. He is a faithful supporter of all Tech activities and traditions, and an asset to its organizations.



ARTHUR HERBERT DIXON

"Art"

"Dick"

Λ X Λ

Mechanic: Prep: W. Springfield High School

Address: 15 Webster Ave., W. Springfield, Mass.

Rope Pull (1); Rifle Club (1).

Entering W. P. I. cool, calm and collected, it took "Art" just about one year before things began to take him. His two major failings are coming out of a store without having made a purchase, and getting to bed; which by the way, suggests his life ambition. He hopes, just once, to get sufficient sleep. An insight into "Art's" activities reveals his capacity as a draftsman, chauffeur, bookkeeper, photographer, fireman, politician and, hidden though it may be, as a student.

Just as a little word of advice, we venture to say—concentrate on the big things in life and leave the little "arts" until later.





FRANK FAIRCHILD DODGE

"Horsey" "H. B."

Θ Υ Ω

General Science: Prep: Norwich Free Academy

Address: 4 Garfield Ave., Norwich, Ct.

Glee Club; Masque; Camera Club.

Frank started out to be a chemist and among other things was well on the road to a new record in smashed glassware when he suddenly got tired of it all and switched over to the General Science course. Or was Dr. Smith's failure to appreciate his vocal efforts in the lab the cause of his defection? Anyway, Frank's success among the sharks of the G. S. course is sufficient evidence of his mental calibre. As for his vocal efforts, his "basso profundo" has been a mainstay of the Glee Club for four years. As further evidence of his versatility, he spouts German with the glibness of a native Deutscher.



CORNELIUS JOSEPH DOYLE

"Joe" "Conny"

Civil: Prep: Worcester Classical High

Address: 3 Farnum Terrace, Worcester, Mass.

Class Track, (1, 2); Junior Marshall; Varsity Track (2, 3, 4); Newman Club; A. S. C. E.; Tech Council (4).

Joe is one of those quiet unassuming fellows who apparently came to Tech to acquire an education and thus didn't have much time to become widely known among us. Of course he took time off to cavort over the cinders as was evidenced by his winning of a 'W' in his sophomore year, but he didn't let these track activities interfere with his ballroom training. In fact it was on the polished dance floor that he shone, not only as a waltz king but also as a raconteur. Then too, as a fashion plate for the civils he has dictated correct dress for the engineer during his scintillating career. Female intricacies at times interfered with Joe's official duties as President of the ASCE but the engineer must be broadened, as Joe can testify.



JOHN JOSEPH DWYER

"Jack"

Friars

Civil: Prep: Worcester South High

Address: 11 Loudon St., Worcester, Mass.
Newman Club; A. S. C. E.

John was one of those envied Civils who made honors each year and escaped the horrors of a make-up exam. He was a hard worker but was always willing to lend a hand to those in need. He always had an abundance of energy and his display of it when tickled was a potential source of amusement for his brother Civils during those long drafting periods. Rumor has it that John's next Alma Mater will be West Point. If so, we wish you luck, John.



FRANK LEIGHTON EATON, JR.

Θ Y Ω, Σ Ξ

Aeronautic: Prep: Worcester North High

Address: 66 Merrick St., Worcester, Mass.

A. S. M. E.

Frank made a name for himself early in his freshman year by his ability to hit the chem. prelims. Since then he has been well known about the campus, always greeting those he met, with a cheery hello. Becoming slightly light-headed from the rigors of Tech life, he decided to beard Pinkie in his den, so he became an aeronaut. It was there that it first became known that he was a genius in the art of spreading it over the many pages of his bulky reports. Pal has made many friends because of his cheerful personality and his air of easy comradery.

ALBERT HACKETT ENSOR

"Al"

Θ X

Electric: Prep: Brockton High School

Address: 14 Tilton Ave., Brockton, Mass.

Soph Hop Comm.; Soccer, AWF, Manager; Radio Club (1); A. I. E. E.

Some of the E. E.'s on the Summer Trip experienced narrow escapes from heart-failure while watching Al make passes at important-looking handles. Now that the trip is finished, they wonder just what would have happened to the "N. E. P.," had some of those passes connected. Al's interests in Worcester were by no means centered in one spot. Besides finding time to attend to his work, and manage the Soccer team, he found abundant opportunity to absent himself from scholarly cares and re-appear in another part of the city. Just how he made such a success of both aims is not wholly clear, but we admire his ability to keep both in mind at the same time.

The best of luck, Al, and may the years to come bring as much success and pleasure as those past.

ROBERT EARL FERGUSON

"Bob"

Σ A E

Chemist: Prep: Worcester South High

Address: 1347 Main St., Worcester, Mass.

Skeptical Chymist.

Bob is the type of fellow seldom seen and much to be admired because he has that enviable ability of adapting himself to any circumstances and fitting in any crowd. It takes a good man to keep smiling through the Chem course. However, Bob has managed to do this and help keep his fellow chemists cheery as well. Even the Kaiser in all his glory was unable to keep Fergy from getting a little fun out of life. Come what may, Robert seems to be perpetually good-natured and his cheery outlook on life will probably bring him as many friends in the future as it has in the class of '33.





STANLEY MILTON FISKE

"Stan"

Civil: Prep: Northboro High School

Address: W. Main St., Northboro, Mass.

Sophomore Football; Sophomore Rope-Pull;
A. S. C. E.

As a member of the board of consulting engineers that gathered in the drafting room mornings to produce those unanimously correct problem solutions, Frisky's habit of doing his preps every day for every course was a source of joy to his less conscientious fellow civils on a crowded morning after. Stan's weekend dash for Northboro was considered as proof of the old adage that "absence makes the heart grow fonder" but it was soon discovered that this lad was combining business with pleasure as Monday would find him with his lab reports typewritten and lecture notes copied in feminine handwriting. The Civils will not soon forget those famous Brown-Fiske bone bending battles.

JOSEPH HOWE FOGG, JR.

"Joe"

Φ Γ Δ T B Π Skull

Mechanic: Prep: Northampton High School

Address: 27 Woodbine Ave., Northampton, Mass.

Class Auditor (1b); Half-way Thru Banquet Comm.; Football "W" (2, 3, 4); Swimming "sWt" (2, 3, 4), Capt. (4); President, Newman Club; News Editor, *Tech News*; Dormitory Comm. (1).

Among the multitudinous members of that famous class of '33 which entered the Institute in the fall of 1929 was a rather quiet boy by the name of Fogg. At first, Joe took quite a ride because of his name, but it wasn't long before we found that there was something behind it which we all liked. Joe has been one of the main vertebrae of the back-bone of the swimming team the past three years. He has also played a good steady brand of football during his sojourn here. As an active member of the Newman Club, he has served in the capacity of president. Of late, Joe hasn't been "seeing" the books quite as much as usual. But—ah, well—we all get that way sooner or later!



ALDEN HOLT FULLER

"Al"

Λ X A

Chemist: Prep: Windham High School

Address: Hampton, Conn.

Glee Club (1, 2, 3, 4); *Tech News* reporter, (2); Junior Editor, (3); Associate Editor, (4); Skeptical Chymists.

In Al we have a fellow who is profoundly interested in farming and chemistry, so it will be difficult for him to choose his life work. Upon meeting him, he appears to be a quiet modest young man, but those who are better acquainted with him know of his warm personality and his rigid determination. On Sunday afternoons he spent his time at Boynton Hall working on the *News*. Al's extreme politeness, mixed with a remarkable versatility in the Musical Club, and an ability to laugh at all times, has gained for him high places of companionableness.



LOUIS JULIUS FURMAN

"Mocho"

Mechanic: Prep: Worcester Classical High
Address: 27 Brantwood Rd., Worcester, Mass.
Class football; Rope-Pull; Football (1, 2, 3, 4);
Knights of the Road; A. S. M. E.

When Mocho first entered the fair portals of Tech he was truly an unknown quantity. After four years of hard, conscientious work on the football squad, Mocho proved that there are fellows that want a good team even if they are not in every game. It is this fine quality that has entrenched him firmly in our hearts. He, through his amiability and his cheerful and unselfish nature, has won the high regard of all his friends. Almost any good thing to be said can be said of Mocho. Have a chair, Mocho.

IRVING JAMES GARTRELL

"Palook" "Hoops" "Gartic"

A T Ω Skull

Mechanic; Prep: Turners Falls High School
Address: 65 Fifth St., Turners Falls, Mass.
Basketball, "W", (1, 2, 3, 4); Football, "W",
(2, 4); Baseball, "W", (1, 2, 3, 4); Capt.
Basketball (4); A. S. M. E.; Tech Council; In-
fraternity Council; Dorm Committee (1).

Swish! Someone with a Red and Gray jersey boosts Tech's score by another two points with a beautiful shot from the center of the floor. The hoop-legged individual coasts back into his position, and who else could this person be than our Palook? Gartic is not only one of the main cogs in Tech's basketball machine, but he is also the engineer, as it were, or captain. When not engaged in sinking double-deckers from all angles, Palook is holding down the hot corner or directing the football team on a strategic power drive, and he does a mighty good job of it, too. Never too serious, yet always well-off; never worried, yet eternally accomplishing, he beats us all.

KENNETH EDWARDS GLEASON

"Ken"

$\Phi \Sigma K$ T B Π

Electric: Prep: Springfield Technical High
Address: 26 Grant St., Springfield, Mass.
Class Historian (3); Glee Club (1, 2); Orches-
tra (1, 2, 3, 4); Radio Club (3); A. I. E. E.

Four years ago Ken finished at Springfield Tech and came to Worcester Tech. Those of us who knew him in high school realized the extent of his abilities but it was not long before those who came to know him on the Hill became aware of certain admirable qualities that go far in realizing success in the great game of life.

Ken is not only a musician of some talent but has interested himself in studies and extra-curricula activities to the extent of being made a member of Tau Beta Pi, the honorary fraternity that stands for so much in under-graduate and graduate life.





ARTHUR EDWARD GLOW

"Art" "Silent"

Aeronautic: Prep: Pepperell High School

Address: E. Pepperell, Mass.

Rifle Club; A. S. M. E.

Art is one of the most distinguished sons of the metropolis of Pepperell, Mass. We heard that he was quite an athlete in the old home town, but since coming to Tech, Art has devoted most of his physical efforts to mental gymnastics and has not done half bad. He claims that the best way to prep for an exam is to take in a peppy show the night before, so that the mind is not befuddled with too many complications. It seems to work in his case, because he was still good enough to be taken into Pinky's group of aerial artists in his Senior year.

GILBERT URBAN GUSTAFSON

"Gussie"

$\Phi \Sigma K$ T B II

Civil: Prep: William H. Hall High School

Address: 178 Arnoldale Road, W. Hartford, Ct.

Class Secretary (1b, 2a); Business Ass't *Tech*

News (3); Business Manager (4); Business

Assistant Peddler (3); Business Manager (4).

Look for the tallest fellow in the crowd and when you have found him you have found our Gussie. He was once an innocent freshman, but time and deeds will efface all things. During his four years at Tech, he has become notorious because of his constant quest for money in carrying out his duties as business manager of the Peddler and Tech News. We are sure that if Tech had a debating team Gussie would lead it, since his first love is arguing about nothing whether he be right or wrong. Business men with an engineering training are hard to beat so we expect big things from Gussie.



HAROLD AXEL HAMMER

"Tack"

$\Phi \Sigma K$ T B II Skull

Electric: Prep: Wethersfield High School

Address: 31 Somerset St., Wethersfield, Ct.

Class president (1b); secretary (1a); vice-

president (2a); Junior Jacket Comm.; Basket-

ball (3, 4); Soccer, "AWF" (1, 2, 3, 4); A. I.

E. E.; W. P. I. A. A.; Secretary (2), vice-

president (3); president (4); Tech Council.

Tack is a natural athlete; his athletic endeavors have been notably versatile. He is an uncommon student; his scholastic achievement is typified by the lackadaisical ease with which he made up an absence from college due to an attack of scarlet fever and yet made Tau Bete. Political mantles rested lightly on Tack's shoulders, never impairing his popularity as is so often the case. Tack was smooth and reserved in company, but in more homely moments he could personify the tiger with variations and volume. In argumentation his defense of anything Swedish was irrefutable, for when logic failed to prevail, his boisterous chatter allowed no opportunity for rebuttal. Here's to valuable future considerations!



LINVAL DALLAS HARVEY

"Lin"

Σ Ε

Civil: Prep: Somerset High School

Address: Lees River Ave., Swansea, Mass.

A. S. C. E.

Lin is another one of those rugged Civils and one of the best. Why ask Jerry Howe about Structural Design when Prof. Harvey is around? Although Lin is seen at almost all Tech activities, we seldom see him associating with the young ladies; but rumors from Swansea have it that he has his weakness. These rumors are seconded by the pictures in his room, where many a civil forum has been held in the wee hours of the morning doing one of S. H.'s 2-hour masonry problems. Lin is a scholar, a gentleman, and—what is more important—a sincere friend.



DONALD WADE HASKINS

"Don"

Λ Χ Α

Mechanic: Prep: Chicopee High School

Address: 134 Stearns Terrace, Chicopee, Mass.

Class historian (2-a); Class football, (1, 2);

Class swimming (1, 2); Soph Hop Comm.;

Track (2); "AWA", (3); Rifle Club (1, 2);

A. S. M. E.

Don's activity during his four years at Tech have made him well liked and well known. He has taken a prominent part in many things varying from athletic endeavor to class and social activity. Although not outstanding in any one thing, he has shown himself capable of doing almost anything well. Don has kept himself busy while here at school, but has always had time to help a friend in distress. He has proved his right to the title of gentleman, giving preference rather consistently to a blond member of the fairer sex from the home town. He having made his college days successful, we all wish him continued success.



STEPHEN STOCKBRIDGE HAYNES

"Steve"

"Steam-Ship"

Mechanic: Prep: Southbridge High School

Address: 131 Front St., Binghamton, N. Y.

Band (1, 2, 3); Aeronautics Club (1, 2);

A. S. M. E.

Steve has risen to a place of great esteem in the minds of a numerous group of friends. Whenever one sees him, he has a cheery greeting and a ready smile. If you add this to his ability to think clearly and sanely, you can see why the rigours of an engineering education have not left too severe a mark upon him. Whatever Steve's choice of a life-work will be, he is sure to consider everything with a standard of judgment and balance that will spell success.



Sixty-three





JOHN ALVAR HENRICKSON

"Al"

⊙ X

Mechanic: Prep: Holden High School

Address: 33 Chapin Rd., Holden, Mass.

Class Basketball (2); Basketball Squad (2, 3, 4); Rifle Club, RWT; A. S. M. E.

Al came to Tech from the town of Holden. He was always cheerful and interested in his work even when the assignments were numerous and long. As a member of the basketball team he had a reputation of sinking the impossible shots. His activity in the rifle club was just practise for his hunting trips on those free afternoons. Beside his ardent love for hunting, Al has a great weakness for fishing and his reputation is well established along the Holden reservoir. With these hobbies and his cheerfulness his future will be one worth living.

LEIGHTON JACKSON

"Bud"

Φ Γ Δ T B Π Σ Ξ

Chemist: Prep: Worcester Classical High

Address: 8 Biltmore Rd., Worcester, Mass.

Class president (1a); Junior Prom Comm.; Rope Pull, (1, 2); Glee Club; Quartette; Vice-President "Y" Cabinet; Tech Council; President Skeptical Chymists.

Bud started his activities with his entrance to Tech, being elected temporary chairman and then president of the freshman class. From then on his time was divided principally among the Y, the Glee Club, and Chem course. How well he handled his course can be seen from the fact that he made Tau Beta Pi without having been an outstanding tennis player. We did not see as much of Bud on the Hill as we might have, had he not had the misfortune of living in Worcester. Bud's characteristic quality is that of doing a job as soon as the job appears, a quality that insures steadiness and persistency in any fellow.



HARRY THOMAS JENSEN

"Mort"

Σ A E T B Π Skull

Electric: Prep: Milford High School

Address: Hillside Park, Milford, Conn.

Class Secretary (2a); Class Auditor (4a); Rope Pull; Junior Marshall; Basketball (1); Track (1, 2, 3, 4); Relay (2, 3, 4); Newman Club, Treasurer (3).

Here's the fellow who never donned a track shoe before coming to Tech, and turned out to be one of the greatest point-getters on the team during his four years. With all his athletic and other activities, he still found time to gain recognition in scholarship, such recognition in fact, that he was elected to Tau Beta Pi and Skull. In losing Harry Jensen, the college has not only lost an athlete and a scholar, but also an extremely likeable fellow, one who will be missed by all who knew him.



Sixty-four



CARL LUDWIG JOHNSON

"General"

Θ Υ Ω Σ Ξ

Chemist: Prep: Millbury High School
Address: 31 Park Hill Ave., Millbury, Mass.
Class Treasurer (4-a); *Rope-Pull* (1, 2);
Skeptical Chymist.

From the fast town of Millbury came Carl Ludwig Johnson, known popularly as "The General." Although having been out of High School for four years, he was high man in scholarship when we were Freshmen. At the end of the Freshman year he took the fatal step when he decided to be a Chemist. However his fame did not wane; he has shown that he has a keen mind and can use it properly. He gets along excellently with Dr. Smith, one of his mentors, which is a good recommendation to his powers of hypnosis. Added to these, he has a great gift of words, always the proper expression for the situation. If you try to understand his big words, it may be necessary to consult Webster.



CARROLL MCKENZIE JOHNSON

"Mac"

Θ X

Mechanic: Prep: Antrim High School
Address: 3 Highland Ave., Antrim, N. H.
Glee Club (1, 2, 3, 4); *A. S. M. E.*; *Vice-President Musical Association* (4); *Masque* (3, 4);
Publicity Manager (4).

Upon looking over the list of Mac's activities one wonders how he finds time for study. Knowing Mac however, we realize he is one of those particularly fortunate people who carry responsibility gracefully and well, and always has time to help a friend find the correct solution to a problem whether in school work or outside. Mac hails from the little known town of Antrim in the wilds of New Hampshire and his curly hair attracts admiration from all, especially from the fair sex. With all his outside activities, however, his name nearly always appears on the honor list and we feel that with his practical mind and likeable personality he will surely make a name for himself in his chosen profession.



EDWIN LUDWIG JOHNSON

"Ed"

Φ Σ K

Electric: Prep: William H. Hall High School
Address: 186 Whiting Lane, W. Hartford, Ct.
Rope-Pull (1); *Manager Golf* (4); *A. I. E. E.*

Eddie very often left us on Saturday afternoons, not to be seen again until Sunday night. But then, who wouldn't, when the girl from home is the occasion. Eddie was fortunate in becoming golf manager this year. Still more fortunate is he that manager's aren't forced to play on the team. Outside of a little obstacle in his sophomore year, he has had clear sailing with respect to studies. We hope that you are among the fortunate this spring, Eddie, so that those plans of yours can be fulfilled.



Sixty-five





PAUL EVERETT JOHNSON

"Paul"

Φ Γ Δ

Civil: Prep: Worcester Classical High School

Address: 13 Flagg St., Worcester, Mass.

A. S. C. E.; Publicity Manager Masque (1932)

Paul appears to the casual observer to be a cool, calm fellow with practically no worries or anxieties, but behind this mask of sagacity is a fire of impetuosity and deep emotion. Paul left the Institute for a year to take a job as a civil engineer with the State and they tell us that he was one of the high salaried men. During the Thanksgiving recess he took a trip down to the University of Richmond, they say to see if after all he had been cut out to be a Southern gentleman. We of the Class of '33 are glad to have him with us.



ASHER LANGDON JOSLIN

"Joss"

Θ Υ Ω

Σ Ξ

Mechanic: Prep: Bartlett High School

Address: 35 Elm St., Webster, Mass.

A. S. M. E.; Band (1, 2, 3, 4).

Joss was quiet, but now, after four years, well, one finds him a consistent honor student, always ready to help, and prepared to discuss any subject, from the infinitesimal to the infinite, with the sky the limit. He has few failings, and his chief ambitions are to see a ghost, and to attain a bigger and better imagination. He does little in student athletics, but outside, he is an excellent steeple-jack, and house climber, and his record from Tech to the bus terminal on Saturday noon still stands. After graduation his tricks, humor, and sly remarks as well as his common sense will be missed by all of his many friends.



ARAM KALENIAN

Chemist: Prep: Westboro High School

Address: 13 High St., Westboro, Mass.

Skeptical Chymist.

Aram first glimpsed the lights of superior knowledge in 1929, when he entered W. P. I. with the renowned class of 1933. During his four years at the Institute, Aram has become intimately acquainted with that elusive science known as Chemistry, and in so doing has done much to create good fellowship, and a host of friends in the class of '33. We all hope that the ambition, and desire for greater knowledge that has led Aram through his four years of college life, will continue after graduation, and we feel certain that his will be a happy and successful career.



JOHN CAROL KEEFE, JR.

"Jack"

⊙ X

Civil: Prep: Northampton High School
Address: 24 Forbes Ave., Northampton, Mass.
Class Historian (3b); Interfraternity Council;
A. S. C. E.

This serious (?) -minded lad from Northampton *et environs* has unobtrusively forged his way into the good will and friendship of all those who have come in contact with him. Jack was always very much in evidence especially among the brilliants of the C. E. division, and although he "couldn't take it," (quotation from Mr. C. J. Doyle), his beaming Irish smile and good humor was always in the limelight. Jack's popularity is revealed by the wealth of his many nicknames, and his sunny disposition. His charming personality and his unfailing good nature can't help but add more hosts of friends in the years to come.



ALBERT JOSEPH LALIBERTE

"Al"

Chemist: Prep: N. Brookfield High School
Address: Pleasant Street, E. Brookfield, Mass.

Four years ago a quiet, reserved youth descended on the campus determined to avail himself of its educational opportunities and to prepare diligently for the future. Al has successfully accomplished this end and as his record testifies, he has proved his worth. Sure and dependable is he in the performance of all his duties. Those who know this lad testify to his manliness and high standards. While not actively engaged in extra-curricula activities, Al is well liked and esteemed by all. He is a true gentleman and his ability is equalled only by his modesty.



HAROLD ARTHUR LAMLEIN

"Hal"

Σ ≡

Chemist: Prep: Clinton High School
Address: 86 Beech St., Clinton, Mass.

Hal is one of the most easily satisfied boys in the school; a ninety or ninety-five look just as good to him. However, we will probably remember him best as the investigator of the reaction of sodium and water in a closed flask. We doubt if he will try it again. Then, too, organic laboratory would have been a rather drab affair had it not been for his droll wit and his pet expression: You are stark, raving mad. His realistic imitations of various professors would have been difficult to improve upon. We hear that Harold is going to study business after graduation. May his success be as great as it has been on the hill.



Sixty-seven





GEORGE WENTWORTH LYMAN

A X A T B II Skull

Mechanic: Prep: Worcester South High School

Address: 38 Hollywood St., Worcester, Mass.

Class Vice-President (4-A); Track (1, 2);

Basketball (1, 2); Soccer (2); Track "W"

(1, 2, 3, 4); (Capt. 4); Soccer, AWF (3, 4);

Basketball, BWB (1, 2, 3); A. S. M. E.; Tech

Council; W. P. I. A. A.

Lymie's studies are always first but there is nothing of the "scab" nature about him for we know that he has his fun. Four years of continuous and unselfish activity on the soccer field, on the basketball court, and on the track, besides an envious scholastic record, have brought to Lymie much deserved honors. He has taken these honors thus bestowed upon him in a manner which has caused him to be one of the best-liked men in the school. His election to Skull is a recognition of this fact. Ability of this kind is rare and success in later life is bound to be the result. May good luck be with you forever, George.



JOHN EDWARD MAGEE

Electric: Prep: Worcester Classical High School

Address: 597 Oxford St., Auburn, Mass.

Class Football (1, 2); Football Squad (1, 2, 3, 4)

John has one unfailing good quality and that is determination. For four long years he has practised constantly with the scrubs waiting for his one big chance to get into a game with the varsity football team. During those earlier years of inter-class struggles much of the success of '33 was due to the presence of Magee on the class teams. If we combine this trait with his native ability in things engineering, we cannot help but predict a successful future for him.



ANTONIO PLACIDO MAGGIACOMO

"Jock"

Friars Skull

Electric: Prep: Cranston High School

Address: 1651 Cranston St., Cranston, R. I.

Football, (2, 3, 4); Captain (4).

Jock is an individual whose fine traits of character are so well known that they hardly need to be mentioned. It would be difficult to match anywhere the brand of football that Jock played for four years. Those of us who were fortunate enough to see Jock in the Brown game can not help but recall the inspired game that he played and the support that he was to the morale of the team. His interest in Tech affairs did not end with the football season, for where real support was needed, Jock was always there. A fine athlete, a real leader, a true friend, and a gentleman, we are all proud to have known him.



JOHN SCOTT MALONEY

"John S." "J. S."

A T Ω

Mechanic: Prep: Springfield (Mass.) Technical High

Address: 11 Boynton St., Worcester, Mass.

Chairman Tech Banquet Skits, 1932, W. P. I. A. A.; Aeronautics Club, (2) (3) (4), President (3) (4); Knights of the Road; Masque (2) (3) (4); "Tons of Money" (2); 1932 Spring Revue (3); Business Manager (4); Business Manager Tech Carnival, 1931 and 1932; Business Manager Tech Bible, 1932-33; Managing Editor, The Peddler for 1933; Treasurer, Y. M. C. A.

J. S. says that even Napoleon was a little man and that a person's stature has nothing to do with his accomplishments. It matters little where he turns, for his watch-word is purpose and his shrine is duty. He goes on and on like a brook, but also like it, to some well known end, a goal. "If you want something done, ask a busy man to do it," certainly is true with Johnny, for no matter what you may ask him to do, the reply is always a cheery, "Sure Enough!" and your task is as good as finished.

WRIGHT HOPKINS MANVEL

"Manhole"

Φ Γ Δ T B Π Σ Ξ Skull

Mechanic: Prep: Worcester Academy

Address: 801 North St., Pittsfield, Mass.

Class President (2a-2b); Vice-President (3a-3b); Head Junior Marshall; President Musical Association; President "Y" Cabinet; President Tech Council; Capt. Rifle Team; Masque; Cheer Leader; A. S. M. E.; Interfraternity Council; Chairman Interfraternity Ball.

Yes indeed, Wright is a very busy fellow. When one considers the mountainous jobs of captaining the rifle team, presiding over the Y, the Tech Council, the Musical Association, and a score of others, we can easily see why he has been one of the most respected members of the class. Man-hole has the all-marvelous ability to do well in everything he attempts. Wright is a true gentleman and his ability is equalled only by his modesty.

THOMAS FRANCIS McLOUGHLIN

"Mac"

Electric: Prep: Meriden High School

Address: 46 North Ave., Meriden, Ct.

Newman Club; Camera Club; Masque; A. I. E. E.; Rope-Pull (1, 2).

In the four years Tom has been at Tech he has shown himself capable of meeting the demands of engineering work and has done his job well. His friends know him as quiet and unassuming and feel sure his persistent efforts will lead him to success in whatever line of endeavor he may follow. Though slight of build he has shown that he can sleep through eight, nine, and even miss ten o'clock's with a vengeance that would put to shame the most robust of beings.



Sixty-nine





RICHARD TODD MERRELL

"Dick"

$\Phi \Sigma K$

Mechanic: Prep: Agawam High School

Address: 751 River Drive, Agawam, Mass.

Rifle Team (1); Basketball, BWB, (1, 2, 3, 4);

A. S. M. E.; Aero Club, (1, 2).

"Here I am!", ready for a big week-end. Every college and fraternity function found Dick in active attendance. He is far from being a frivolous chap, but he abided by the trite statement, "Undergraduate engineers are noted for their extra-curricula activities." Dick was a consistent student; thoughts of failures never had any occasion to bother him. He played games for all they were worth and was reputed to be a participant who used his head. (Pardon the interclass soccer game, please.) These characteristics commend him for a successful near-future. During his Senior Year this mechanically-minded fellow became smilingly worried over his excess avoirdupois. "Oh you can't do a thing!"



JOHN JOSEPH MOLLOY, JR.

"J. J." "Johnny"

A T Ω Skull

Civil: Prep: Weaver High School

Address: 431 Edgewood St., Hartford, Ct.

Class Vice-President (2b); Soph Vigilance

Comm. (Chmn.); Class Football (1, 2); Class

Basketball (1, 2); Baseball, "W," (3, 4); Foot-

ball, "W," (2, 3, 4); Assistant Manager Basket-

ball; Tech Council; Masque, Knights of the

Road.

Although a native of Hartford, Ct., it didn't take Johnny long to become well acquainted here on the Hill and by the way, in the rest of Worcester! It is safe to say that no one has done more for Tech and at the same time got as much out of four short years as John has. At football, a slashing end; at baseball, a scrappy catcher; and something of a basketball player, too! Johnny also found time to take part in the activities of the Masque and was a loyal supporter of all activities as well as a student. His motto might well be, "Always a worker, always a winner."



FRANCIS COCHRANE MOORE

"Moon"

Civil: Prep: Amherst High School

Address: 10 Allen St., Amherst, Mass.

Rope-Pull, (1, 2); A. S. C. E.

Moon is of the upper rank in the Civil Department army. He has outwitted the faculty by strategic maneuvers throughout the four-year campaign and now enters the life of a citizen unscathed. In a course which appealed to his mathematical whim, Moon let himself go and sharked it unconditionally. At Camp Stephenson this fellow was in his element and liked it—the outdoor he-man existence. Moon smothered, rather effectively, all gossip about his formal week-ends to a certain women's college. However, the most private affairs are laid bare these days.



THE MICHIGAN ENGINEERING DEPARTMENT THE UNIVERSITY OF MICHIGAN

CHESTER BRADFORD NEWELL

"Brad"

Θ X

Mechanic: Prep: Holden High School

Address: Holden, Mass.

Class Soccer (1, 2); Junior Prom Comm.;
Junior Marshal; A. S. M. E.

Brad, the little fellow with the big smile, came to Tech from the wilds of Holden. His cheerfulness and good humor are envied by all who come in contact with him. Automobiles and motorboats are his hobby and if you want to know anything about engines just ask Brad. He is happiest when he is under the hood of his Ford wondering what is wrong with the carburetor or the ignition system. He is one of these fortunate mechanics who can put an engine together and not have any parts left over. With his personality and practical knowledge we know that Brad will make a name for himself.



GEORGE WILLIAM NICOLETTI

"Nick"

Θ Υ Ω

Mechanic: Prep: Worcester North High School

Address: 4 Ventura Rd., Worcester, Mass.

Junior Marshal; Interfraternity Ball Comm.;
A. S. M. E.; Knights of the Road.

Nick, another North High product, has come to the end of four years of study and now faces the idle world along with the rest of us. In his deliberate and determined manner he will stir up something, we hope. Nick went his way quietly and modestly and spoke in an entertaining low drawl. He did not always agree with the instructor's figures on his own quiz papers, but we know instructors are not perfect. He was a hard-worker in class, but outside of class we feel sure that he spent his efforts along the more successful paths of a Don Juan.



GEORGE EVALD OMAN

"Gus"

Σ A E

Mechanic: Prep: Windham High School

Address: South Windham, Conn.

Rope-Pull (1, 2); A. S. M. E.

Gus's ability as a machine designer was superseded only by his ability to dodge Prof. Smith. Although he was one of the quiet and more reserved members of the group of Senior Mechanics, his uncanny ability to find the weaknesses of the faculty were always appreciated in the M. E. smoking room. Gus did not go in for the extra-curricula activities on the Hill, but he was always one of the loyal supporters of all Tech functions. His constant good humor and his sympathetic appreciation of everybody's difficulties will go a long way toward making lasting friends.



Seventy-one





JOHN JACOBS OSBORN

"Ozzy" "Droopy"

Mechanic: Prep: Clinton High School
Address: Main Street, Lancaster, Mass.

Band (1, 2); A. S. M. E.

"Gosh," says Johnny, "Everything's going wrong today. The car wouldn't start, and then I almost skidded off the road coming in. It's a wonder I didn't get stuck in the snow, too. When I got here I was late, and then I found out I forgot my books; and just to finish up the day I made a mess of that quiz." However, in spite of such troubles, Johnny has gone through his four years without taking a make-up, which is something that not many do. He has made a host of firm friends, and in his lighter moments has become a frequent attendant at the social functions on the Hill.

EMIL CHARLES OSTLUND

"Zuckie" "T. N. T."

A T Ω T B II

Mechanic: Prep: Brockton High School
Address: 41 Menlo St., Brockton, Mass.

Class Auditor (2a-2b); Class Secretary (3a-3b); Class Soccer (1); Class Football (2); Vigilance Comm. (2); Chairman Junior Jacket Comm.; Soph. Skit; Junior Prom. Comm.; Masque; A. S. M. E.; Vice-President Dorm Comm.; Chairman Tech Carnival (3, 4); Chairman Freshmen Reception (3, 4); Tech Council; "Y" Cabinet; Interfraternity Ball Comm.; Band (1); Junior Editor Peddler (3); Editor-in-Chief Peddler (4).

Good things come in small innocent looking packages—so does T.N.T. We found this out in the fall of 1929. We also found that that same small package of T.N.T. could last a long time. Zuckie's first big achievement was the unheard-of feat of reading his famous English literature book from cover to cover. Zuckie kept plugging away and was at last rewarded with the much coveted Tau Bete key. But all this drive was not confined to his books, for if we follow Zuckie's path for the last four years, we find his finger in many a pie. He is a hard dependable worker who we know will go on making just as many friends as he leaves behind him here at Tech.



ALFRED GAUNT PARKER

"Al" "Alfy"

Φ Γ Δ

Chemist: Prep: Columbia High School
Address: 76 Maplewood Ave., Maplewood, N. J.
 Masque; Cosmopolitan Club.

Whenever one sees Al, he has a cheery greeting and a smile. Rarely, if ever, have we heard of him being in a bad humor. An afternoon in the lab with Al was always an enjoyable one, for one could never be sure when he was going to advance a new chemical with rare results. There has hardly been a year pass when he did not have a part in the Masque and his delightful characterizations were always a source of merriment. Never easily excited and always entertaining with his low drawling wit, a full life shall be his.



WILLIAM TAYLOR PAYNE

"Bill"

Λ X A

Electric: Prep: Woodstock High School

Address: Woodstock, Vt.

Glee Club (1, 2).

Coming to the Hill from the wilds of Vermont, our crooner, "Billy Payne," has still a yearning for the wide open spaces, and looks forward to the time when he can retire from engineering and become a farmer. In his summer vacations, Bill has fortified himself for the rigors of the school year by helping to improve our highways. During the winter, early risers may see him taking his constitutional, often on the run, if he happens to have one of those tortures applied to senior electrics, an "eight o'clock." With his good looks and tenor voice, Bill should go far in his chosen profession, and we wish him the best of luck.



HAROLD EDWARD PERKINS, JR.

"Perk"

Λ X A

Electric: Prep: Woodstock High School

Address: Bridgewater Corners, Vermont.

H. Edward Perkins, better known around the campus as Perk came to Tech from the "sticks" of Vermont, a disadvantage to any young man with ambitions centering in engineering and social activity.

But Perk has come thru in four years and at the same time has been ever present at Tech affairs. He has tried everything from golf to pole vaulting, becoming master of none but familiar with all. He has found complete success, however, in the art of repairing and managing model T Fords, making many a trip to Vermont, Newton Square, and Chaffins with no brakes or trouble.

If graduation finds him with no job, his present plans point towards the raising and marketing of good Vermont spuds.



WALTER HARVEY PERREAULT

"Harv"

Σ A E

Civil: Prep: Worcester North High School

Address: 16 Roxbury St., Worcester, Mass.

Newman Club; A. S. C. E.

Harvey is one of a long line of Tech Perreaults. Back in those freshman days, his performances in the Chem. Lab. were a constant source of envy, for who else could mix the chemicals with such reckless abandon and still obtain the desired results? We have waited for a long time for Harvey to reveal one little weakness and at last we have heard that he has succumbed to the smoking of coffin-nails just as a stepping stone to a heavy pipe like all true civils. Come what may, Harvey seems to be perpetually good-natured and his cheery outlook on life will probably bring him many friends.





EDMUND ALEXANDER PERRY

"Ted" "Stump"

Φ Γ Δ

Mechanic: Prep: Kelvin Technical High School
Address: 437 Assiniboine Ave., Winnipeg, Canada
 Class Track (2); Class Football (2); Track
 (2, 3); Football (2, 3); A. S. M. E.; Cosmo-
 politan Club; Masque.

When two hundred and twenty pounds of good whole-
 some youth dropped none too gently upon our campus,
 everybody called everybody else to come and look. But
 everybody didn't marvel for long, for Perry had such
 a candid face and such a good humor that he was soon
 classed under the title of Stump and left to pursue his
 great big way around the Hill. We hate to testify, but
 we are afraid that Stump's big weakness is women and
 more women. He is our best example of the old adage
 which says that bigness of body and heart go hand in
 hand.



ROBERT CLIFFORD PETERSON

"Pete" "Bob" "Pekc"

A T Ω

Mechanic: Prep: Worcester North High School
Address: 50 Huntington Ave., Worcester, Mass.
 Class Football (1, 2); Rope-Pull (1, 2); Foot-
 ball, "W," (4); Baseball Manager (4); A. S.
 M. E.

Pete is another local boy that has made good in a
 great big way. When he first came to Tech he was
 too small to play varsity football. However, he grew
 up and became a bulwark of strength on the line. Not
 content with making his letter in football he tried his
 hand at baseball and managed the team this spring.
 Besides varsity sports, Bob has starred on interfrater-
 nity basketball, baseball, bowling and swimming teams.
 When he had nothing better to do, he studied enough to
 have his name appear consistently on the honor roll.
 Bob has long been one of Tech's social lions. Pete will
 be remembered as the great exponent of the University
 Club.



FREDERICK MILTON POTTER

"Fred"

Θ Υ Ω T B Π Σ Ξ

Electric: Prep: Seymour High School
Address: Great Hill Rd., Seymour, Conn.
 Football (3); Class Football (1); A. I. E. E.

When anyone wanted information they called up in-
 formation. Freddy Potter could give them any informa-
 tion, from where the Dr. was to how to do a problem
 in Dynamics or any other complicated subject. While
 on the job he managed to get enough studying done so
 that his name appeared constantly on the honor list,
 usually alone at the top of the sheet. But in spite of
 putting in most of his time down town, Freddy did his
 share of the work in giving the football team plenty of
 opposition during his Junior year, and every year ap-
 peared on the diamond during interfraternity baseball.



WESLEY BRADFORD REED

"Wes"

⊕ X

General Science: Prep: Everett High School

Address: Highland St., Berlin, Mass.

Glee Club; Masque; Camera Club.

Wes says he wants to be a teacher on account of the summer vacations they get, and besides, it runs in the family. He chose the General Science course with that end in view, and from the number of advanced Physics and Mathematic courses he elected, and passed without apparently doing much work, we know he'll be successful at it. Wes is quiet and retiring, but maybe he isn't so lazy as he tries to make people believe, because he plans to come back for more at good old W. P. I. next year, and try for an M. S.



JOHN WILLIAM RIGNEY

"Rig"

Chemist: Prep: Meriden High School

Address: 95 S. Vine St., Meriden, Ct.

Newman Club; Skeptical Chymist.

Rigney hails from Meriden. His delightful humor has made for him a host of friends. His everlasting smile is disturbed only when "Doc" asks for clean, dry test-tubes, or when his class-mates want to borrow litmus paper. Overwhelmed by the intricacies of Organic Chemistry, Benzene's smile wavered, but Rigney was made of sterner stuff and back came the same smiling, unassuming Benzene. A winning personality, an engaging smile combined with a ready wit, and an everlasting humor assures him of friends and success wherever he may turn.



FRANKLIN BALLOU ROBERTS

"Frank"

A X A

Aeronautic: Prep: Chicopee High School

Address: 13 Davenport St., Chicopee, Mass.

Junior Prom Committee; A. S. M. E.

After the four years of work that Frank has put in at Tech he is surely entitled to his well earned sheepskin. Frank enjoyed the well-known Tech atmosphere so well, as shown by his four year scholarship honor record, that he became one of Pinkie's aeronaut proteges. Frank seems quiet and unassuming to those that do not know him, but his friends know that he enjoys a "rough house" as well as anyone and his nimble fingers have gained him a reputation for red-hot rythm. More than one fellow has often wondered what Frank's record might have been if those hours spent every night in writing much about nothing to some one in particular had been spent on school work. Frank's oft repeated question, "Going to Chicopee?" will not be forgotten soon and we wish him the best of luck there and in all his endeavors.





WARREN CLOUGH SALTMARSH

"Salty"

A T Ω

Electric: Prep: Pembroke Academy

Address: Suncook, N. H.

Rope-Pull (1, 2); A. I. E. E.; Masque (Vice-President); Class Baseball.

Salty may not always make his eight o'clock, but he surely is on time for his two five o'clocks a week. A familiar sight to residents on the turnpike between Worcester and Framingham is a little brown roadster automatically putting miles behind it. Salty is an electric, but since the course in electric railway engineering has been omitted this year, he has had to turn to other means of rapid transit. Always with a cheery greeting and a "Heh, heh, fellers," he has never, that is almost never, let a sign of pessimism enter into his associations with "ampmeters" and "phrony" brakes.



JOHN CARL LUDWIG SHABECK, JR.

"Jack"

A T Ω T B II

Mechanic: Prep: Moses Brown School

Address: 143 Norwood Ave., Edgewood, R. I.

Golf Squad; Manager Swimming; President Boat Club; Rifle Club; A. S. M. E.

Here we have a serious hardworking student, who has little time for frivolity. Indeed, if there is anything that Jack likes better than study, it is more study. This is especially true of subjects dealing with motors and engines, in which subject he is especially adapted. Jack seems to have a great affinity for water, which can be shown by his being manager of the swimming team and commodore of the boat club. His determination to finish completely that which he has undertaken, should make just as great a success of him in the business world as it has here at Tech.



GORDON EGGLESTON SIGNOR

Σ A E

Electric: Prep: Waterbury High School

Address: 520 Watertown Ave., Waterbury, Ct.

Rifle Team; Banjo Club; Rifle Club; A. I. E. E.

They say that Gordon is taking it easy for a while with the class of '33 before he makes his big drive for a master's degree. When the going became a little difficult in A. C. he always made things a little less difficult by informing us of the intricacy of the advanced A. C. courses. Not to be outdone by Maxie and his one ring circus, Gordon managed to bring his dog into the E. E. Design classes. Just as Plato excelled his master, we predict that time alone will grant Gordon a similar position.



CARL GEORGE SILVERBERG

"Silvie"

Chemist: Prep: Charlton High School

Address: East Brookfield, Mass.

Radio Club.

Many a man has derived untold pleasures from a half-pint, but none so lasting as those derived from having met and become acquainted with Carl Silverberg. Small in stature only, he is a man of voluminous and pompous conversation. We will never forget those lab periods in which the tingling of broken glass heralded the presence of Silvie (or maybe Phillips *did* put the Institute water bill on Carl's account). We wonder if that was the reason for his not being able to afford litmus paper this past year. It probably will not be many more moons before students will see the blackboard covered with 'Reserve, C. G. S.'



WILLIAM ADDINGTON SLAGLE, JR.

"Bill"

A X A

Civil: Prep: Stamford High School

Address: 13 Ivy St., Stamford, Conn.

Rope-Pull (1, 2); Track (3); A. S. C. E.;

Glee Club; Masque.

Four years ago, Bill came up from the farthest corner of Connecticut with his ready smile and cheery greeting to join the Civils of '33. The fact that he is one among the few straight Civils testifies to his ability in the classroom, and no matter how hard the profs try to stick him, Bill is always there with an answer, even in Stan's class. His activities have not been confined to the class-room, as shown by his efforts on the track and in the Glee Club.—And when it comes to social affairs, Bill may be seen at most of them, tripping the light fantastic with one of Connecticut's famous belles. Anytime, anywhere, when a fellow needs a friend, Bill is right there.



ARTHUR EDWARD SMITH

"Art"

Θ Υ Ω

Σ Ξ

Aeronautic: Prep: South High School, Worcester

Address: 2061 Huntington Turnpike, Nichols, Conn.

Rope Pull (1, 2); Junior Prom Comin.; Tech

Council; Junior Marshall; A. S. M. E.

Art came to Tech for two reasons; first, and this is of lesser importance, to get a diploma, and second, so that he could live in Worcester and be near to a very dear, young friend of his. Art is a brilliant young man and has won high scholastic honors during his stay at Tech, this fact not being due to a great deal of plugging and hard work, but rather to a brilliant and clever mind. Art surely does hate horse-work, and at times it takes a regular magician to decipher his work. We won't forget some of the remarks Pinkie passed concerning Art's Strength problems. Nevertheless we are confident of Art's success and wish this brilliant, friendly young fellow the very best of luck in his life to follow.



Seventy-seven





CHARLES LEROY SMITH

"Half Pint"

Λ X A

Chemist: Prep: Meriden, Conn.

Address: Old Colony Rd., Meriden, Conn.

Assistant Manager Football; Skeptical Chymists.

Charlie is another fellow who hails from Connecticut. Although he is one of the smallest members of the class, he has more than his share of good nature, and an ability to appreciate a good joke, even though he himself be the victim. When he came to Tech, he decided to join the ranks of that select group, the chemists, and it has been with them that his labors have been associated for the past four years. Although Charlie hasn't made any definite plans for the future as yet, we all wish him success in whatever he does.



FRANK EDGAR SPAULDING, JR.

"Captain"

Electric: Prep: West Haven High School,
Yale Engineering School

Address: 91 Church St., West Haven, Conn.

A. I. E. E.

After finding that the Sheffield School of Engineering could not offer him enough difficulty, Captain decided to try his hand with the rigours of an engineering education on the Hill. Cap is one of the most easily satisfied fellows in the Institute. Or possibly it is just his unique ability to make a little thing go a long way, but at any rate, it is a known fact that Cap never fails to read and re-read his daily letter at least a dozen times, seemingly getting the same thrill out of each perusal. We of the class of '33 are glad to have had him as one of us.



JOHN CAMPBELL SPENCE

"Jack" *"Champ"*

Φ Γ Δ

Mechanic: Prep: Springfield Technical High School

Address: 69 Foster St., Springfield, Mass.

Class Football; Rope Pull; Football, "W," (4).

Champ gained early fame as a freshman as a charter member of the Brown Jug. He was always the terror of every rough-housing since his ponderous form has a terrible flattening effect on all his opponents. This ability was of much advantage to the Tech eleven for the past two years as many of us can recall how Champ's unyielding frame blocked many a play through his side of the line. Jack's cares for the past four years have made him dwindle to just a shadow of his former self. Everybody loves a fat man and from all reports Champ is no exception.



SUMNER BURLINGAME SWEETSER

"Sub"

Θ X T B Π Σ Ξ

Chemist: Prep. North High School, Worcester

Address: 37 Shaffner St., Worcester

Class Auditor (3); Senior Councillor; Editor-in-Chief, Tech News; Skeptical Chymists.

Although a persevering chemist, Sub always has time to drop his test tubes and flasks to place a guiding hand on the affairs of the News, grasp the Secretary's pen, or dash off to Wheaton in his "Chev." Wherever Tech men gather for frivolity and fun is he, be it a football game or dance.

However, lest it be suspected that good times have claimed undue predominance in his career, suffice it to say that he wears both Tau Beta Pi and Sigma Xi keys, no doubt a happy augury of the success which rewards such faithful and untiring effort.



EUGENE JOHN TEIR

"Gene"

Θ X

Civil: Prep: Gardner High School

Address: 122 Leamy St., Gardner, Mass.

Football; Rope Pull; Assistant Business Manager, Tech News; Class Football; A. S. C. E.

In the fall of 1929 another worthy son of Gardner descended upon Tech to uphold the honor of that fair city. For four long years Swede has struggled through the mysteries of the Civil Course and where many have failed he has succeeded. Besides, he has always found time to take part in the many activities on the Hill. That Swede will be a success as an engineer there is no doubt, and it is hoped that he will play the game of life with the same keenness that he plays bridge.



PHILIP TRIPOLI

"Trip"

Friars

Mechanic: Prep: Middletown High School

Address: 465 High St., Middletown, Conn.

Class Soccer; Soccer; Newman Club; A. S. M. E.

Trip is the type that always stands up for his rights regardless of the consequences. We recall how he demonstrated this fine quality of character in some of the classes. Phil is beyond doubt well versed in the art of argumentation, for siding with him means emerging triumphant from a good bull session. Trip claims that he is able to size up a person quite accurately by arguing with him. His sense of humor is extraordinary and when a joke is told his laugh resounds the loudest. He is a great sport follower and although not a real star in any event, he manages to do well in many, as may be evidenced by his participation in intramural sports.





WALTER WARREN TUTHILL

"Tut" "Hank"

⊙ Υ Ω

Electric: Prep: Orient High School

Address: Orient, L. I., N. Y.

Assistant Manager Baseball (3); Radio Club;
Camera Club; Fencing Club; A. I. E. E.

Big Hank is a man of parts, usually radio or automobile parts to be specific. Coming to Tech from the distant shores of Long Island, it didn't take him long to learn to breeze along, getting a lot done with a minimum of effort. A familiar figure to the inhabitants of Worcester, either tearing around in his big green power-house on wheels, or else wandering down Main Street in his pajamas paying elections bets. We expect to see Hank coming back to alumni reunions in an airship of his own invention in the not too distant future.



ERNEST OSWALD UNGERER

"Ernie"

Φ Σ K

Electric: Prep: Chapman Technical High School

Address: Uncasville, Conn.

Track.

Few there are that realize Ernie came to Tech after a sojourn teaching drawing down in Georgia. This, however, proved too tame for him, and he came to Tech to get a real taste of the technical life. While here, Ernie has been on the jump,—as evidence the facts that he holds the school pole vault record and is still one jump ahead of the professors. Although he never tried out for the varsity, his speed on the basketball court is amazing,—in fact, one of the Civil instructors mistook him for a former player at Upsala. Socially, Ernie was always willing to go to a dance or party, and he always managed to have a good time. Consequently we feel Ernie has a great deal to look forward to.



JEREMIAH HAMILTON VAIL

"Jerry"

⊙ Υ Ω T B Π Skull

Mechanic: Prep: Orient High School

Address: King St., Orient, L. I., N. Y.

Class President (3); Class Historian (2);
Junior Marshall; Rope Pull (1, 2); Soph Hop
Comm.; Junior Prom Comm.; Manager Basketball;
Managing Editor, Tech News; Glee Club;
Tech Council (2, 3, 4); Athletic Council (3);
Interfraternity Council (2, 3); A. S. M. E.

Jerry is of the salesman type. A better mixer would be difficult to find. His nearly infallible memory has stood him in good stead both on and off the campus. There is a bit of the Walter Winchell in this fellow. The newsy bits (I just overhead) are spouted forth in conversation with Machine-Gun rapidity. Jerry rose to prominence in the class during his Junior year and has maintained his niche in the limelight. There is every indication that Jerry will outgrow the hometown and seek broader horizons.

Eighty



JOSEPH SIMON VIROSTEK

"Joe"

Electric: Prep: Douglas Memorial High School

Address: East Douglas, Mass.

Newman Club.

Joe has two bad weaknesses: one is a great desire to become a master of the terpsichorean art, and the other is a propensity to drive around in an old automobile of rare vintage. Don't get the opinion that Mr. Virostek is always frivolous, for 'tis not true—dear me, no! Just ask any of the poor oppressed Electrics and they will tell you what a busy man our East Douglas representative is, running his taxi service. However, no matter if it's a fellow or a girl, they agree that Joe's a good fellow, and so we will have to thank East Douglas for sending us such a noble product.



RALPH JOHNSON VOIGT

"Dutch"

$\Phi \Sigma \kappa$

Electric: Prep: Easthampton High School

Address: 80 Maple St., Easthampton, Mass.

Class Soccer (1); Rope Pull (1, 2); A. I. E. E.

This suave member of the class hails from the same prosperous, bustling community that is famous for its prep school. After you break through the emotionless veil that shrouds Dutchy's outer countenance you will find a mighty likeable chap who will do anything to help a comrade in times of distress and trouble. Dutchy is one of our embryo electrics, but seems to always find time for a game of cards. In fact, we understand that he is one of the day-study card-sharps and really thrives on Pinochle. His plans are a little bit uncertain for the present, but we are certain that he will be a credit to his Alma Mater.



ALBERT STEPHEN WHITE, JR.

"Al"

Electric: Prep: North High School, Worcester

Address: 4 Trinity Ave., Worcester

Radio Club.

Al's celebrity rests in no small measure on his ability to convince anybody, anywhere, and anytime, even himself, on any side of any question in debate. It is probably for this reason that he was able to convince himself and the faculty that he wanted to be an electric. Al's strong point is the saxophone, and it is said many a dance around Worcester has been a success because of his presence in the orchestra. He is really a very conscientious worker and it is in the classroom that Al shows his talents; he has enviable traits of good fellowship and companionableness. Here's luck to you, Al!





GORDON RUSSELL WHITTUM

"Buck"

Σ A E T B II Σ Ξ

Civil: Prep: Worcester North High School

Address: 23 Nelson Place, Worcester, Mass.

Goat's Head Comm.; Tech Bible Board; Manager Track (4); Rope Pull (1, 2); A. S. C. E.

Few fellows at Tech have made a wider circle of friends than has Buck. He has not confined his friendship to his own fraternity or class. The whole college has been his field and is a brighter, happier place because of it. It has been noticed too, that his girl friends are nearly as numerous. His ability to convince the Civil profs regularly that he is an authority on something beside radio programs, despite his numerous activities on and off the Hill, won him a place in Sigma Xi and Tau Beta. These facts together with his unusually pleasant personality, give him a perfect start for a successful engineering career.



CHARLES WOLK

"Charlie"

Σ Ω Ψ

Electric: Prep: Worcester Classical High

Address: 64 Arthur St., Worcester, Mass.

Swimming Team.

Anyone who has been absent from a scene of activity on the hill need not be perturbed, for he can be certain that Charlie has gathered all the important facts of the case into his Tech Notes in the Evening Gazette. Between classes, this news-hound can be seen dashing between Pop Adams' and Doc Carpenter's offices for news. Not only this, but Charlie has done some interclass swimming and can also drop a basketball through the hoop with ease. Charlie's ready smile has won for him a host of friends on the campus. If he keeps up his good work, Charlie won't need to worry about any depression.



ALTON BERTRAM WYMAN

"Al"

Φ Σ K T B II Σ Ξ

Civil: Prep: Brattleboro High School

Address: 2013 Baird Ave.; Portsmouth, Ohio

Cheer Leader; A. S. C. E.; Jr. Editor Peddler; Advertising Manager Peddler.

"Al" came to us from Brattleboro, Vt., but since that time he has migrated to dear old Ohio. He certainly did hide himself under his books for his first two years but as we all know "pleasure will out sometime," as it has these last two years. Al has been elected to the two scholastic societies on the hill; he has been our handsome head cheer leader and what a job he does. With his keen eye he was the star in the interfraternity basketball league.

Besides being a star Civil student, he is also one of the editors of the Peddler. Here's to a lad who has all one needs to conquer the universe.



The Phantom List

Melvin G. Adams
Ralph H. Allen
William H. Anderson
Frederick R. Asserson
George W. Banks
Earl C. Barton
Wesley O. Bell
John A. Boyle
Ronald H. Bruce
William F. Bunting
William J. Chapman
John E. Church
Edward G. Conway
Lloyd E. Crane
Harold B. Cross
Arthur L. Crosscup
Herbert M. Curtis
Ira W. Dickey
Herman W. Domblatt
Donald M. Drake
Robert F. Dunton
Daniel S. Fiske, Jr.
Ernest W. Foster
Arthur E. Getz
Albert B. Glenn
Robert T. Goffin
Stanley Gorka
Simon Greenberg
Charles F. Griffin
Joseph S. Gula
George W. Harding
Sherman E. Hardy
Louis D. Hillman
Mendel Holoff
Emerson P. Holter
Philip C. Hurley
David C. Hyde
Russell W. Johnson
John T. Kane

Donald A. Kayer
Frank H. Kean, Jr.
Raymond T. Kelly
James F. Kennedy
Signor P. Kerxhalli
Arthur R. Klebart
Leo A. Lajoie
Frank A. Larson
Albert J. Magee
Rayman T. Malley
Richard May
Charles E. McMulin
Weldon M. McFarlane
Fred W. Menold, Jr.
Albert F. Miller
Fred F. Nichols
Smith H. Oliver
Chester I. F. Olsen
Jesse R. Osborn
Erick E. Palin
Arnold V. Poulsen
Milton E. Prescott
James B. Rafter
Howard C. Reinhard
Walter G. Ritcey
Harold W. Ross
Palmerino A. Scalzi
Milton M. Schultz
Gordon A. Shaw
George H. Skelton
John Smith
Maurice B. Steinberg
Paul W. Toppan
Richard L. Terry
Herman W. Trulson
Robert H. Wheeler
George E. Wheeler
Russell M. Williams
Arthur S. Yelle

Stanley J. Zielinski





Back, Franklin Keenan Front, Whitcomb Sellew

Junior Class Officers

FIRST SEMESTER

EVERETT F. SELLEW	<i>President</i>
HOWARD A. WHITTUM	<i>Vice-President</i>
GEORGE A. STEVENS	<i>Secretary</i>
JOHN H. KEENAN	<i>Treasurer</i>
JULIUS L. GOULD	<i>Historian</i>
WARREN H. DAVENPORT	<i>Member-at-Large</i>

SECOND SEMESTER

EVERETT F. SELLEW	<i>President</i>
GORDON P. WHITCOMB	<i>Vice-President</i>
HENRY H. FRANKLIN	<i>Secretary</i>
JOHN H. KEENAN	<i>Treasurer</i>
JULIUS L. GOULD	<i>Historian</i>
WARREN H. DAVENPORT	<i>Member-at-Large</i>

Eighty-four





CLASS OF 1934

Eighty-five



Juniors, Class of 1934

- | | |
|--|---|
| <p>Charles Streeter Adams, Worcester.
 ΘX; Mechanic.</p> <p>Edward Michael Abufaris, Worcester.
 Mechanic.</p> <p>Leonard Bowerman Almy, Marblehead.
 ΘX; Band; Orchestra; Mechanic.</p> <p>Bertil Herman Anderson, Worcester.
 Electric.</p> <p>Clarence William Anderson, Holden.
 ΘX; Electric.</p> <p>Howard William Atkins, Amherst. •
 Mechanic.</p> <p>Henry Coomes Ashley, E. Longmeadow.
 Mechanic; Aero Club; A. S. M. E.;
 Soccer.</p> <p>Richard Davis Barnard, Worcester.
 $\Phi \Gamma \Delta$; Mechanic; <i>Tech News</i>; Glee
 Club.</p> <p>Gordon Ellis Barnes, Hardwick.
 ΘX; Mechanic.</p> <p>Edward Lewis Barrett, Northampton.
 Friars; Mechanic; Band; Newman
 Club; <i>Tech News</i>; A. S. M. E.</p> <p>George Standish Beebe, Quaker Hill, Conn.
 $\Phi \Gamma \Delta$; Civil; Track.</p> <p>Raymond Edward Begley, Chicopee Falls,
 Mass.
 Friars; Mechanic; Newman Club.</p> <p>Albert Orlin Bell, Leominster.
 ΘX; Mechanic; Football; A. S. M. E.</p> <p>Harold Bradford Bell, Leominster.
 ΘX; Civil; Football; A. S. C. E.; Rope
 Pull; Class Secretary (2-a); Soph Hop
 Comm.; Junior Prom Comm.; Class
 Football.</p> <p>Albert Henry Bellamy, Jr., South Man-
 chester, Conn.
 ΘX; Mechanic; <i>Tech News</i>; Peddler;
 Rifle Club; Track; Class Football; A.
 S. M. E.</p> <p>George Austin Bennett, Jr., Ashland.
 Electric.</p> <p>Kenneth Evans Bennett, Fairhaven.
 Chemist.</p> <p>Henry Arthur Benoit, Fisherville.
 Chemist; Skep Chemists.</p> <p>Warren Merton Berrell, Holden.
 $AT\Omega$; Chemist; <i>Tech News</i>; Peddler;
 Basketball; Ass. Man. Tennis.</p> <p>J. Alfred Bicknell; Portland, Me.
 Chemist.</p> <p>J. Alden Birch, Branford, Conn.
 Electric; Radio Club.</p> | <p>Charles Newton Bissell, Woodmont, Conn.
 ΘX; Civil; Swimming; A. S. C. E.;
 Ass. Man. Track.</p> <p>Joseph Albert Bober, Clinton
 Civil; Newman Club.</p> <p>Paul Walter Booth, Orange, N. J.
 $\Phi \Gamma \Delta$; Mechanic.</p> <p>John Anselm Boyle, Worcester.
 Friars; Mechanic.</p> <p>John Henry Bradbury, Hardwick.
 Civil.</p> <p>Carl Gunnar Brink, Worcester.
 Civil.</p> <p>Warren Read Burns, Plymouth.
 $\Theta Y \Omega$; Mechanic; Rope Pull; A. S. M.
 E.; Peddler; <i>Tech News</i>; Cheer leader.</p> <p>William Edward Burpee, Reading.
 ΘX; Civil; Y. M. C. A. Cabinet; Ass.
 Manager Track.</p> <p>Robert Fiske Bye, Kennebunk, Me.
 $\Phi \Sigma K$; Mechanic; Class Soccer (1).</p> <p>Emile Joseph Chauvin, Webster.
 Civil.</p> <p>Robert Norman Clarke, W. Hartford, Conn.
 $\Phi \Gamma \Delta$; Mechanic.</p> <p>Harry Francis Clarke, Worcester.
 ΣAE; Electric; Orchestra.</p> <p>Paul Gratiot Cheatham, Mexico City.
 $AT\Omega$; Mechanic; Golf; <i>Tech News</i>.</p> <p>Blakslee Hutchins Colby, Framingham.
 ΔXA; Electric.</p> <p>Chester Burton Cotton, Worcester.
 Electric.</p> <p>Francis James Crowley, Fall River.
 $AT\Omega$; Chemist; Rope Pull; Class Foot-
 ball; Jr. Ed. Peddler; Masque; New-
 man Club; Chairman Half-Way-Thru-
 Banquet.</p> <p>Ernest Milton Crowell, Greenfield.
 $\Theta Y \Omega$; Chemist; Swimming; Glee Club.</p> <p>Merritt Edward Cutting, Cherry Valley.
 Chemist.</p> <p>Chester Gustaf Dahlstrom, Worcester.
 Mechanic.</p> <p>John Sarkes Davagian, Millbury.
 Civil.</p> <p>Warren Holt Davenport, Worcester.
 Electric; Member-at-large of Class.</p> <p>Charles Samuel Dayton, Jr., Danielson, Ct.
 Electric.</p> <p>William James Denning, Jr., Worcester.
 ΣAE; Chemist; Track; Soph Hop
 Comm.; Skep Chemists.</p> |
|--|---|



William Francis Drake, Framingham.
 $\Phi\Gamma\Delta$; Civil; Football; Track; Tech
 Carnival.

James Roy Driscoll, Holyoke.
 ΣAE ; Electric; Football; Chairman
 Junior Prom.; Interfraternity Council.

Dwight James Dwinell, Orleans, Vermont.
 Mechanic; Class Basketball; Secretary;
 Junior Prom. Comm., Jr. Marshal.

William Lester Edgeworth, Danielson, Conn.
 $\Phi\Sigma K$; Civil; A. S. C. E.; Football.

Charles Joseph Egan, Worcester.
 ΣAE ; Mechanic; Track.

Harold Isadore Feingold, Springfield.
 $\Sigma\Omega\Psi$; Mechanic.

Everett Ernest Fish, So. Manchester, Conn.
 ΘX ; Mechanic; Swimming; A. S. M. E.

Joseph Edward Flanagan, Worcester.
 Chemist.

Henry Herbert Franklin, Greenfield.
 $\Theta Y\Omega$; Chemist; Swimming, Y Cabinet;
Tech News; V. Pres. Athletic Council;
 Ass. Man. Soccer; Ass. Man. Baseball.

Charles Samuel Frary, Jr., Newton High-
 lands.
 $\Theta Y\Omega$; Chemist; Swimming; Glee Club;
 Cosmopolitan Club; Cross Country;
 Track.

Robert William Fulton, Manchester, N. H.
 ΛXA ; Electric.

Herbert F. Gale, Northboro.
 $\Theta Y\Omega$; Electric.

George Gustave Gleisburg, Clinton.
 Chemist.

Richard LeRoy Goodwin, Springfield.
 $\Phi\Sigma K$; Electric; Orchestra; Class Foot-
 ball; Band; Jr. Prom Comm.

Julius Lawrence Gould, Greenfield.
 $\Phi\Sigma K$; Electric; Swimming; Radio
 Club; Historian, Soph Hop Comm.; Jr.
 Prom Comm.; Fencing Club.

Robert Shoal Grand, Brockton.
 $\Sigma\Omega\Psi$; Electric; Band; A. S. C. E.

Harold Francis Greeney, Cherry Valley.
 Mechanic.

Donald Greenwood, W. Boylston.
 Electric; Class Soccer; Glee Club.

Willard Priestley Greenwood, Gardner.
 ΘX ; Chemist; Cross Country; Camera
 Club.

Paul Stirewalt Grierson, Maplewood, N. J.
 $\Phi\Gamma\Delta$; Mechanic.

William Howard Griffiths, Worcester.
 Electric.

Paul Garrison Guernsey, Stamford, Conn.
 Mechanic; *Tech News*; Rope Pull;
 Class Sec.; Carnival Comm.; Newman
 Club.

Joseph Haddad, Norwich, Conn.
 Mechanic; A. S. M. E.

Preston Henry Hadley, Jr., Bellows Falls, Vt.
 $\Phi\Gamma\Delta$; Mechanic; Ass. Man. Football.

Bertil Frederick Hammarstrom, Worcester.
 Mechanic; Radio Club.

Theodore Francis Hammett, Danielson,
 Conn.
 $\Phi\Sigma K$; Electric; Radio Club; Camera
 Club.

John Schofield Hancock, Methuen.
 $\Phi\Sigma K$; Chemist.

Curtis Anderson Hedler, Taftville, Conn.
 $\Theta Y\Omega$; Electric; Rope Pull; Class
 Football.

George Franklin Hodgkinson, Worcester.
 $\Phi\Sigma K$; Electric; Football; Basketball.

Russell Philip Hook, Worcester.
 ΛXA ; Mechanic.

Robert Hayes Houghton, Fitchburg.
 ΣAE ; Electric.

Stephen Louis Hreusik, East Douglas.
 Electric.

Clayton Edward Hunt, Jr., Columbia, Conn.
 Mechanic; Band; Orchestra; Rifle Club;
 Masque; A. S. M. E.

George Kalista, Springfield
 ΘX ; Mechanic; Track; Rope Pull.

Anthony Kapinos, Chicopee Falls.
 Mechanic; Band; Orchestra.

John Henry Keenan, Worcester.
 Civil; Newman Club; A. S. C. E.

Walter Joseph Kowal, Worcester.
 $K\Pi\Sigma$; Mechanic; A. S. M. E.; Tech
 Handbook.

Anthony Charles Kowalski, Worcester.
 $K\Pi\Sigma$; Civil; Golf; A. S. C. E.

Roman Joseph Koziol, Southbridge.
 $K\Pi\Sigma$; Electric; Baseball; Class
 Basketball.

Walter Martin Kurtz, Easthampton.
 Chemist; Skep Chemists.

Carl Merritt Lane, W. Hartford, Conn.
 $\Phi\Gamma\Delta$; Electric; Soccer.

Robert Lawrence Laroche, Worcester.
 ΣAE ; Electric; Ass. Man. Tennis.

Bror Gustaf Larson, Worcester.
 ΛXA ; Electric; Rope Pull.

Luther Cass Leavitt, Jr., Framingham.
 Mechanic; Aero Club.

Robert Bowness Logan, Worcester.
 $\Phi\Gamma\Delta$; Mechanic; Track; Class Basket-
 ball; Class Football.

Harvey Francis Lorenzen, Manchester, N. H.
 $\Phi\Gamma\Delta$; Mechanic; Asst. Man. Football;
 Masque.

Frederick Robert McLaren, Manchester,
 N. H.
 ΛXA ; Electric.



John Arthur McMahon, Milford, Conn.
 Σ AE; Electric; Swimming.
Edward Robert Maddock, Saratoga Springs,
N. Y.
AT Ω ; Electric; Masque.
Alvin Francis Magowan, Brookfield.
Electric; Radio Club.
George Makredis, Lynn.
Electric; Baseball; Cosmopolitan Club.
Nicholas Robert Mango, Westfield.
 Σ AE; Mechanic; Baseball.
Edward Ruppert Markert, Amherst.
Mechanic; Glee Club.
William Edward Mesh, Easthampton.
 Λ XA; Mechanic; Asst. Man. Track.
William Anthony Michalek, Westfield.
Mechanic; Band; Rope Pull.
Carroll Charles Misener, Orange.
Mechanic; Glee Club; Camera Club;
Cosmopolitan Club.
William Paul Mitnik, Westfield.
Mechanic; Aero Club.
Norman Monks, Worcester.
Electric; Soccer.
Robert Gale Munson, Wilmington, Del.
 Σ AE; Mechanic; Rope Pull.
Harold Narcus, Worcester.
 Σ Ω Ψ ; Chemist; Band; Orchestra.
John Francis Noreika, Worcester.
Mechanic; Baseball; Basketball; Foot-
ball.
Sumner Annis Norton, Terryville, Conn.
 Φ Σ K; Chemist; Basketball.
Tadeus John Orzech, Ware.
K Π Σ ; Electric; Rope Pull; Class
Soccer.
Edson Hugh Osborne, Holyoke.
AT Ω ; Electric; Jr. Ed. Peddler; Class
Sec.; Jr. Marshall; Ch. Soph Hop
Comm.; Masque; Class V. Pres.;
Auditor; Tech Council; Junior Prom
Comm.; Glee Club; Tech Carnival;
Coxswain Rope Pull; Sec. Masque;
Cheerleader.
Shepard Brown Palmer, Jr., Norwich, Conn.
Mechanic; Tennis.
Carl Eugene Parta, Worcester.
AT Ω ; Electric; Asst. Man. Swimming.
Arvo Elmer Pihl, Worcester.
AT Ω ; Electric; A. I. E. E.; Basketball.
Theodore Post, Worcester.
Chemist; Skep Chemists.
Wallace Reinfield Powell, Willimantic,
Conn.
AT Ω ; Electric; Asst. Business Man.
Peddler; Masque; Rope Pull.
John Carter Powers, Bolton.
Civil.

Louis Press, Lynn.
 Σ Ω Ψ ; Chemist.
Thomas Ratkiewich, Union City, Conn.
 Θ X; Chemist; Swimming; Newman
Club; Class Basketball; Jr. Marshall;
Skep. Chemists.
Julian Hopkins Ray, Framingham.
 Λ XA; Mechanic; Aero Club; Camera
Club.
Robert Longworthy Richmond, Yonkers, N.
Y. Φ Σ K; Mechanic; Man. Rifle Club;
Class Treasurer.
Richard Walter Rhodes, Worcester.
Chemist; Skep Chemists.
Elijah Bravaman Romanoff, Clinton.
Chemist; Skep Chemists.
Edmund Frederick Rothemich, Worcester.
 Θ X; Civil; Track; Cross-Country;
Newman Club; A. S. C. E.
James Vernon Rowley, Springfield.
 Θ X; Civil; *Tech News*; A. S. C. E.;
Class Track; Rope Pull.
Carl Enoch Verner Rydman, Worcester.
 Θ Y Ω ; Mechanic; Band.
Franklin C. Safford, Glens Falls, N. Y.
 Φ BE; Mechanic.
George Vincent Sargent, Wenham.
 Φ Σ K; Civil; Soccer; A. S. C. E.
Everett Franklin Sellew, E. Hartford.
 Φ Γ Δ ; Chemist; Asst. Man. Football;
Class President; Skep Chemists.
Philip Capelle Sherburne, Rumford, R. I.
AT Ω ; Mechanic; Rope Pull; A. S. M.
E.; Peddler; Masque; Asst. Man.
Track.
Henry Raymond Sjostedt, Worcester.
Friars; Chemist.
Michael Lawrence Skwarek, Westfield.
AT Ω ; Mechanic; Basketball; Dorm
Comm.; Football; Tech Barber.
Charles E. Sliva, Gill.
K Π Σ ; Mechanic; Newman Club; Class
Soccer; Tennis; Football; Basketball.
Elmer Lovell Smith, Jr., Longmeadow.
 Λ XA; Mechanic.
John Russell Smith, Worcester.
Electric; Newman Club.
Warren Sargent Snow, Worcester.
 Θ X; Mechanic; A. S. M. E.
Chester Spielvogel, Clinton.
Civil; A. S. C. E.
Philip Wendall Stafford, Middleboro.
Mechanic; Basketball; A. S. M. E.
George Arnold Stevens, Worcester.
 Φ Γ Δ ; Electric; Glee Club.
Howard Everett Stockwell, Vernon, Vt.
 Λ XA; Electric.



Paul Joseph Sullivan, Worcester.
 Σ AE; Electric; V. Pres. Newman Club;
 Track.
 Harold Tarbox, Fitchburg.
 Θ X; Electric.
 Michael Garabed Tashjian, Worcester.
 Chemist.
 John Bernard Tytula, North Brookfield.
 Civil.
 Donald Champlain Vibber, Auburn.
 Mechanic.
 Leon James Volley, St. Petersburg, Fla.
 AXA; Electric.

Frederick Gilbert Webber, Holyoke.
 Electric; Radio Club.
 Arthur Borden Wentzel, Worcester.
 Electric.
 Arthur Marian Wheeler, Lounsberry, N. Y.
 Θ X; Band; Soccer; Electric.
 Gordon Putnam Whitcomb, Spencer.
 Σ AE; Chemist; Class V. President, Jr.
 Marshall; TBII; Track.
 Howard Arthur Whittum, Worcester.
 Σ AE; Skep Chemists; Masque; Soccer.
 Merton Stanley Williams, Terryville, Conn.
 Θ Y Ω ; Civil.





SOPHOMORE CLASS OFFICERS

Merriam	Starrett
McKay	Moran

Sophomore Class Officers

1932-1933

WILLIAM E. MCKAY	<i>President</i>
KENNETH L. MORAN	<i>Vice-President</i>
RAYMOND F. STARRETT	<i>Secretary</i>
RICHARD P. MERRIAM	<i>Treasurer</i>
LEONARD G. HUMPHREY, JR.	<i>Historian</i>





CLASS OF 1935



Sophomores, Class of 1935

- Marcus Abelson, Worcester.
Electric.
- Edward Abendschein, Niagara Falls, N. Y.
A. S. M. E.; Band; Mechanic.
- Franklin Angevine, Warren, Ct.
Swimming; Class Rifle Team; Mechanic.
- George Axelby, Thomaston, Ct.
Skep Chemists; Chemist.
- George Beaulieu, Leominster.
 Σ AE; Chemist.
- Carl Bergstrom, Worcester.
 Θ Y Ω ; Class Swimming; Skep Chemists; Chemist.
- John Blais, Marlboro.
Chemist.
- Walter Blau, Middletown, Ct.
 Θ Y Ω ; Electric.
- Karl Bohaker, Falmouth.
 Θ X; Rope Pull; Boat Club; Paddle Rush; Electric.
- Robert Branch, Worcester.
 Σ AE; Boat Club; Camera Club.
- Joseph Buckley, Worcester.
Electric.
- Daniel Burns, Revere.
 Σ AE; Rope Pull; Tech Carnival; A. S. C. E.; Civil.
- William Butler, Jr., Worcester.
 Σ AE; Skep Chemist; Chemist.
- Alan Byll, St. Johnsbury, Vt.
Mechanic.
- Alfred Cantor, Mattapan.
Football; Baseball; Civil.
- Robert Cape, Worcester.
 Θ Y Ω ; Camera Club; Civil.
- Richard Clarke, Brimfield.
 Δ XA; Chemist.
- Thomas Clarke, West Warwick.
 Δ XA; Skep Chemist; Chemist.
- Edwin Clinton, Hartford, Ct.
Electric.
- Austin Coates, Worcester.
Rope Pull; Mechanic.
- Theron Cole, Middleboro.
 Δ XA; Mechanic.
- Richard Corson, Framingham.
Mechanic.
- Edward Cove, Worcester.
Newman Club; Electric.
- John Coyle, Worcester.
Friars; Mechanic.
- Edward Cronin, Pittsfield.
Friars; Civil.
- Gordon Cruickshank, Norwich, Ct.
 Φ Γ Δ ; Football; Mechanic.
- C. Marshall Dann, Sharon, Pa.
 Φ Γ Δ ; Vice-Pres. (1); Basketball; *Tech News*; Chemist.
- Donald Day, Worcester.
Electric.
- Maurice Day, Milford.
Glee Club; Orchestra; Civil.
- Phillip Dean, New Milford, Ct.
 Δ XA; Rope Pull; Paddle Rush; Electric.
- William Dempsey, Worcester.
Electric.
- Raymond DesRochers, Aldenville.
Friars; Civil.
- Arthur Dunham, Falmouth.
 Σ AE; Mechanic.
- Samuel Ehrlich, Addison, Ct.
Chemist.
- Walter Eklund, Worcester.
Civil.
- Richard Falvey, Worcester.
 Θ X; Swimming; Tech Carnival; Electric.
- Kenneth Farnsworth, Worcester.
Civil.
- Russell Fargo, Verbank, N. Y.
Electric.
- Robert Flagg, Worcester.
AT Ω ; Boat Club; Rifle Club; A. S. M. E.; Mechanic.
- James Foley, Worcester.
Civil.
- Davey Force, Fryeburg, Me.
 Φ Σ K; Swimming; Rope Pull; Class Football; Mechanic.
- Joseph Glasser, Holyoke.
 Σ Ω Ψ ; Radio Club; Electric.
- Laurence Granger, Milford.
 Δ XA; Civil.
- Raymond Granger, Worcester.
Cross Country; Civil.
- William Grubert, Westfield.
 Σ AE; Golf; Mechanic.
- Bronislaw Gruzdis, Worcester.
K Π Σ ; Chemist.
- Donald Guganig, Millbury.
Electric.
- James Gussha, Worcester.
Cosmo Club; Civil.
- Allan Hardy, Worcester.
 Θ X; Skep Chemists; *Tech News*; Chemist.



Francis Harrington, Rock City Falls, N. Y.
 ΘX; Chemist.
 Everett Hayden, Brookville.
 Glee Club; Civil.
 James Healey, Weymouth.
 ΦΓΔ; Track; Electric.
 Willy Hebel, Glastonbury, Ct.
 ΘΥΩ; Soccer; Electric.
 Russell Hemenway, Worcester.
 Newman Club; Electric.
 Eugene Henning, Worcester.
 Electric.
 Herbert Hoffman, Clinton.
 Mechanic.
 Frank Holmes, Norfolk.
 ΦΣK; Baseball; Skep Chemists;
 Chemist.
 Donald Holt, Lancaster, Pa.
 ATΩ; Pres. (1); Boat Club; Tech Car-
 nival; Electric.
 John Howes, Middleboro.
 ΘΥΩ; Band; Mechanic.
 Leonard Humphrey, Marblehead.
 ΘΥΩ; Band; Boat Club; *Tech News*;
 Mechanic.
 Wendell Jewell, Worcester.
 Camera Club; Civil.
 Ladislaus Jodaitis, Gardner.
 Friars; Civil; Swimming; Rope Pull;
 A. S. C. E.
 Joseph Johnson, Niagara Falls.
 ΦΣK; Radio Club; Electric.
 Wallace Johnson, Orange.
 ΘΥΩ; Mechanic.
 James Jordan, Braintree.
 Mechanic.
 Alexander Kaplanko, Calcutta, India.
 Glee Club; Cosmo; Electric.
 Osmond Kinney, Mystic, Ct.
 ΦΓΔ; Glee Club; Rifle Club; Electric.
 Paul Krantz, Worcester.
 Mechanic.
 Theodore Latour, Worcester.
 Skep Chemist; Chemist.
 Roger Lawton, Worcester.
 ΦΓΔ; Football; Electric.
 Herbert Leckie, Cleveland, Ohio.
 ΦΣK; *Tech News*; Electric.
 Harold LeDuc, West Springfield.
 ΦΓΔ; Track; *Tech News*; Chemist.
 Orrin Lee, So. Hamilton.
 ΛXA; Rifle Team; Mechanic.
 Lester Libby, Norwich, Ct.
 ΣΩΨ; Swimming Team; Band; Elec-
 tric.
 Gordon Lincoln, New Bedford.
 ATΩ; Glee Club; *Tech News*; Masque;
 Chemist.

Kenneth Linell, Worcester.
 Camera Club; *Tech News*; Civil.
 Harry Livingston, Holyoke.
 Glee Club; Electric.
 Roy Loud, Worcester.
 Tech Carnival; Class Football; Rope
 Pull; Electric.
 Evan Luce, West Boylston.
 ΘΥΩ; Soccer; Civil.
 Edward Lunney, Worcester.
 Friars; Mechanic.
 Arvo Luoma, Fitchburg.
 Mechanic.
 Norbert Lusczynski, Worcester.
 ΚΗΣ; Swimming; Y. M. C. A.; Civil
 Frederick McIntyre, Worcester.
 Mechanic.
 Donald MacMillan, Hardwick.
 ΛXA; Rifle; Soccer; Electric.
 Michael Macuga, East Douglas.
 Chemist.
 Frank Madigan, Worcester.
 Friars; Mechanic.
 George Makela, Fitchburg.
 Swimming; Civil.
 Weslye Martin, Worcester.
 Chemist.
 Clifford Martinka, Elmhurst, L. I.
 ΘΥΩ; Boat Club; Glee Club; *Tech
 News*; Mechanic.
 William McKay, Springfield.
 ΦΣK; Pres. (2); Tech Council;
 Electric.
 Theodore McKinley, Winthrop.
 ΘX; Track; Chemist.
 Donald McLeod, Dartmouth.
 ATΩ; Electric
 Thomas McNulty, Worcester.
 ATΩ; Swimming; Football; Tech
 Council; Mechanic.
 Richard Merriam, Middletown, Ct.
 ΘΥΩ; Golf; *Tech News*; Mechanic.
 Chester Minehan, Worcester.
 Y. M. C. A.; Civil.
 George Mitchell, Springfield.
 Glee Club; Electric.
 Raymond Moeller, Worcester.
 Mechanic.
 John Molloy, Auburn.
 Civil.
 Albert Moran, North Andover.
 Friars; Track; Chemist.
 Kenneth Moran, Worcester.
 ATΩ; Track; Class Football; Tech
 Council; Skep Chemists; Vice-Pres. (2)
 Chemist.
 Frederic Morgenstern, Worcester.
 ΣΩΨ; Chemist.



Homer Morrison, West Hartford.
 ATΩ; *Tech News*; General Science.
 Evans Newton, Niagara Falls.
 A. S. C. E.; Civil.
 Roland Nims; Bloomfield, N. J.
 ΦΣΚ; Band; Electric.
 Howard Nordlund, Dorchester.
 Electric.
 George Northridge, Worcester.
 Radio Club; Electric.
 Robert O'Brien, Chicopee.
 Friars; Civil.
 *Louis Olson, Plainville, Ct.
 ATΩ; Glee Club; *Tech News*; A. S. M.
 E.; Mechanic.
 Verner Olsen, Worcester.
 ΛΧΑ; Basketball; Chemist.
 John O'Shea, Worcester.
 ΣΑΕ; Mechanic.
 Andrew Palm, Milford.
 Mechanic.
 William Parker, Danielson, Ct.
 Electric.
 Nelson Parry, Portland, Me.
 ΦΓΔ; Skep Chemists; Chemist.
 William Parsons, Pittsfield.
 Radio Club; Electric.
 George Perry, Worcester.
 ΣΑΕ; A. S. C. E.; Civil.
 Albert Phelps, Warehouse Pt., Ct.
 Mechanic.
 James Pirie, Barre, Vt.
 Radio Club; Band; Chemist.
 William Potter, Springfield.
 ΛΧΑ; Mechanic.
 Samson Price, Brookline.
 Band; A. S. M. E.; Mechanic.
 Wesley Proctor, Worcester.
 Rope Pull; Band; Chemist.
 Charles Puffer, Springfield.
 ΦΣΚ; Asst. Mgr. Soccer; Civil.
 Raymond Quenneville, Holyoke.
 Civil.
 John Rearick, Warren.
 Mechanic.
 Emerson Robinson, Milford.
 Mechanic.
 Louis Rovno, Fitchburg.
 Chemist.
 William Samborsky, E. Douglas.
 Civil.
 Milton Seligman, Worcester.
 Chemist.
 Victor Sepavish, Worcester.
 Electric.
 Paul Shepler, Mystic, Ct.
 ΦΓΔ; Swimming; Mechanic.

Nathan Shuman, Chelsea.
 ΣΩΥ; Civil.
 Joseph Sigda.
 ATΩ; Mechanic; Golf; Football; Boat
 Club.
 Alvaro Silva, Fall River.
 Electric.
 Irving Skeist, Worcester.
 ΣΩΨ; Band; *Tech News*; Chemist.
 Stanley Sleczkowski, Saxonville.
 Track; Civil.
 Donald Sleeper, Worcester.
 ΣΑΕ; Swimming; Electric.
 Randall Smart, Saylesville, R. I.
 ATΩ; Asst. Mgr. Football; Civil.
 Charles Smith, Willimantic, Ct.
 ΦΣΚ; Basketball; Band; *Tech News*;
 Mechanic.
 Kingston Smith, W. Newton.
 ΛΧΑ; Track; Electric.
 Malcolm Smith, Worcester.
 Skep Chemists; Chemist.
 David Smyth, Plainville, Ct.
 ΣΑΕ; Mechanic.
 Eric Soderberg, Worcester.
 ΦΣΚ; Soccer; Mechanic.
 Louis Soloway, Worcester.
 ΣΩΨ; Tech Carnival; Skep Chemists;
 Chemist.
 Raymond Starrett, Athol.
 ΦΓΔ; Baseball; Football; Mechanic.
 William Steur, Worcester.
 Swimming; Mechanic.
 Lincoln Stone, Otter River.
 ΛΧΑ; Glee Club; Camera
 Club; Electric.
 Clarence Streeter, Worcester.
 General Science.
 Joseph Sukaskas, Worcester.
 Basketball; Electric.
 Philip Sullivan, Springfield.
 ΣΑΕ; Track; A. S. M. E.; Mechanic.
 Frederick Swan, Dedham.
 ΦΓΔ; Masque; Glee Club; Band;
 Mechanic.
 Roy Swenson, Worcester.
 ATΩ; Football; Basketball; Mechanic.
 Gordon Swift, Northampton.
 ΘΧ; Musical Association; Mechanic.
 James Tasillo, Hartford, Ct.
 ΣΑΕ; Rope Pull; Newman Club;
 Mechanic.
 Robert Taylor, Worcester.
 ΘΧ; Tech Carnival; *Tech News*; Boat
 Club; Mechanic.
 Edward Tavidian, Worcester.
 Cosmo Club; Civil.

*Died, March 7, 1933

Ninety-four



John Tholl, Needham.
 ATΩ; Aero Club; Boat Club; *Tech News*; Mechanic.
 Everett Vaughn, Worcester.
 Electric.
 Max Voigt, Holyoke.
 Electric.
 Robert Waddell, Winthrop.
 AXA; Electric.
 Douglas Watkins, Montpelier, Vt.
 AXA; Asst. Mgr. Soccer; Electric.
 Harvey White, Worcester.
 Civil.
 Plummer Wiley, W. Hartford, Ct.
 ΘX; Swimming; Rifle Team; Camera Club; Band; Glee Club; Mechanic.
 Henry Williams, Worcester.
 Civil.

Hewitt Wilson, Manchester, Ct.
 ΘX; Mechanic.
 William Wilson, Fitchburg.
 Soccer; Civil.
 George Wisniewski, Brookfield.
 KΠΣ; Mechanic.
 Fred Wissenbach, Clinton.
 Rope Pull; Paddle Rush; Mechanic.
 Russell Wood, Worcester.
 Glee Club; *Tech News*; Mechanic.
 Humphrey Wrin, Arlington, Vt.
 Friars; Glee Club; Mgr. Band; Mechanic.
 Theodore Wyman, Dorchester.
 Electric.
 William Wyman, Annisquam.
 ΦΣK; Asst. Mgr. Football; Masque; Carnival; Mechanic.





FRESHMAN CLASS OFFICERS

Borden Huntley
Gurnham Leech Gould

Freshman Class Officers

FIRST SEMESTER

H. MASON DUDLEY *President*
RAYMOND SCHUH *Vice-President*
A. HAMILTON GURNHAM *Secretary*

DAVID K. MORSE *Treasurer*
GEORGE W. HUNTLEY *Historian*
CHARLES A. FOWLER *Member-at-Large*

SECOND SEMESTER

CLINTON E. LEECH *President*
ROBERT E. GOULD *Vice-President*
A. HAMILTON GURNHAM *Secretary*

CARLTON W. BORDEN *Treasurer*
GEORGE W. HUNTLEY *Historian*
CHARLES A. FOWLER *Member-at-Large*

Ninety-six





CLASS OF 1936

Ninety-seven



Freshmen, Class of 1936

Harry Theodore Anderson, Jr., Middleboro.

ΘΥΩ.

Edward William Armstrong, Guild, N. H.

William Francis Atwood, Jr., Waltham.

ΣΑΕ.

Robert Willis Baker, Charlton.

John Joseph Balasevich; E. Wareham.

Friars.

Leo Thomas Benoit, Worcester.

ΣΑΕ.

Carl Frederick Benson, N. Stonington, Conn.

Walter Frederick Beth, Worcester.

ΘΧ.

Carlton Walker Borden, Fall River.

ΦΣΚ.

Irving Harold Bottcher, Holden.

ΘΧ.

John Robertson Brand, Worcester.

ΦΣΚ.

Jacob Isadore Bresler, Ware.

ΣΩΨ.

Edwin Avery Brewer, Shrewsbury.

ΑΤΩ.

George Everett Brooks, Worcester.

Robert Malcolm Bruce, Holliston.

ΘΥΩ.

Roger Walton Bruce, Westboro.

ΣΑΕ.

Dixon Chapman Burdick, Manchester, Ct.

Harold Shepard Burr, Worcester.

George William Busby, Jr., N. Andover.

Anthony Albert Caparelli, Plainville, Conn.

Friars.

John Raymond Cassler, Jr., Florence.

ΘΧ.

Allan Cadman Chase, N. Brookfield.

ΦΣΚ.

George Lewis Chase, Winsted, Conn.

ΦΓΔ.

William Cooper Clark, Fairview.

Loring Coes, Jr., Brookfield.

ΣΑΕ.

Frederick Fairbanks Cole, Holliston.

ΘΥΩ.

Harold Newton Cox, Jr., Southold, L. I.

ΛΧΑ.

Norman Vincent Coyle, Worcester.

John Augustus Crane, Framingham.

ΘΥΩ.

Gordon Howe Creamer, Holden.

Abner Crumb, Norwich, Conn.

ΣΩΨ.

Earl Myron Curtis, New Bedford.

Frank Edward Cutler, Worcester.

Walter George Dahlstrom, Worcester.

ΛΧΑ; Varsity and Class Soccer.

George Utton Dautrich, Winsted, Conn.

ΘΧ.

Ronald Vincent DeFeo, New Haven, Conn.

Friars.

Paul Downey, Nashua, N. H.

ΘΧ.

Harold Mason Dudley, Longmeadow.

ΑΤΩ.

Karl Dey Eastman, Amherst.

ΑΤΩ.

Murray William Edinburg, Spencer.

Donald Lucien Edmunds, Lyndenville, Vt.

ΛΧΑ.

Alfred Clifton Ekberg, Worcester.

ΦΣΚ.

Herbert John Erickson, Fall River.

ΦΣΚ.

George Byron Estes; Cuba, N. Y.

ΘΧ.

Camille Henry Ethier, Brookfield.

Alton Thomas Fleming, Worcester.

ΛΧΑ.

Charles Anthony Fowler, New York, N. Y.

Robert Fowler, Jr., Winthrop.

ΘΧ.

Thomas Creswell Frary, Newton Highlands.

ΘΥΩ.

George William Fuller, Hampton, Conn.

ΛΧΑ.

Norman Wilfred Gaudreau, Springfield.

ΣΑΕ.

Elmer Wilson Gifford, Falmouth.

Edward Karcher Gladding, Newport, R. I.

ΘΥΩ.

Scott Kneeland Goodwin, Northampton.

ΘΧ.

Alexander Gordon, Willimantic, Conn.

ΣΩΨ.

Robert Edward Gould, Worcester.

ΑΤΩ.

Martin Craig Gowdey, Amherst.

Friars.

Harry Cooper Gray, Springfield.

Vincent Peter Grublevskas, Worcester.

Julius Edward Guild, Amesbury.

ΘΥΩ.

Roger Henry Guild, Chester, Vermont.

Albert Hamilton Gurnham, Ludlow.

ΑΤΩ.

William Reid Hannah, Springfield.

ΦΣΚ.



Daniel Joseph Harrington, III, Springfield.
 ΣΑΕ.
 F. Mortimer Harris, Jr., Binghamton, N. Y.
 Joseph Remington Hastings, Jr., Chicopee.
 ΛΧΑ.
 Thomas James Healy, Auburn.
 ΣΑΕ.
 Harold Fritz Hendrickson, Holden.
 ΘΧ.
 David Nickerson Hill, Worcester.
 Hilliard Hiller, Windsor, Conn.
 ΦΓΔ.
 Walter Henry Holt, W. Boylston.
 Robert Henry Hood, Melrose Park, Pa.
 ΘΧ.
 Ralph Irving Houdush, Beverly.
 ΣΩΨ.
 Leland Brewster Howard, Worcester.
 ΦΓΔ.
 Richard Shaw Howes, Middleboro.
 ΘΥΩ.
 Richard Clayton Hudson, W. Boylston.
 ΘΥΩ.
 George Williams Huntley, Newport, N. H.
 ΛΧΑ.
 Trevor Francis Hurst, Lenox.
 Frederick Eben Hyatt, Jr., Moorestown, N. J.
 ΛΧΑ.
 Edward Eli Jaffee, Worcester.
 ΣΩΨ.
 Leonard Ware Johnson, Northboro.
 ΦΣΚ.
 Frank Kenwood Jones, Worcester.
 ΘΥΩ.
 Richard William Keenan, Worcester.
 William John Kosciak, Worcester.
 Ernest Paul Louis Krippendorf, Lynn.
 ΘΧ.
 James Arthur Lane, Worcester.
 ΛΧΑ.
 Robert Anton Langer, Glenbrook, Conn.
 Clinton Ely Leach, Springfield.
 ΘΥΩ.
 Nathan Robert Levine, Worcester.
 ΣΩΨ.
 Raymond Joseph Lutkawicz, Worcester.
 Charles Vincent McCormick, Providence,
 R. I.
 John Thomas McGrath, Worcester.
 ΣΑΕ.
 Harry Foster McRell, Jr., Pittsfield.
 ΘΧ.
 William Charles Maine, Willimantic, Conn.
 ΦΣΚ.
 Nelson Marshall, Yonkers, N. Y.
 ΦΣΚ.
 Angelo Vincent Mauriello, Worcester.

Robert Edward Maynard, Shrewsbury.
 ΘΧ.
 William Miseveth, Hampton, Conn.
 ΦΣΚ.
 Edward Vincent Montville, Salem.
 Friars.
 David Morton Morley, Worcester.
 ΛΧΑ.
 Reginald Alfred Morrill, Worcester.
 ΘΥΩ.
 Lawrence Arthur Morrison, Reading.
 David Kendall Morse, Larchmont, N. Y.
 ΑΤΩ.
 Elwin Andrews Murdock, W. Haven, Conn.
 Guy George Nanartonis, Worcester.
 ΣΑΕ.
 Herbert August Neuman; Franklin.
 Philip Nigro, Worcester.
 Yngve Holger Nordstrom, Worcester.
 John Joseph O'Donnell, Shrewsbury.
 Howard William Osborn, Worcester.
 James Walter Phelps, Barre, Vt.
 ΦΓΔ.
 Harold Newton Pierson, Hartford, Conn.
 Adam Zygmund Pizan, Worcester.
 Henry Plimpton, Walpole.
 ΘΧ.
 Harold Francis Pomeroy, Dalton.
 John Armour Porter, Worcester.
 ΣΑΕ.
 Charles Harrison Prentice, Janesville, Wis.
 ΦΓΔ.
 William Simpson Proctor, Wrentham.
 ΛΧΑ.
 Michael Constantine Rallis, Lowell.
 Richard Lynn Remy, Longmeadow.
 ΑΤΩ.
 John Avery Richardson, Medway.
 ΘΧ.
 Lincoln Dix Robbins, Jr., E. Saugus.
 ΘΥΩ.
 George Edward Rocheford, Worcester.
 ΣΑΕ.
 Domenick Joseph Rossetti, Worcester.
 Wesley Fenn Rouse, Thomaston, Conn.
 ΘΥΩ.
 Jacob Sacks, Worcester.
 Louis Sadick, Worcester.
 ΣΩΨ.
 George Alan Sanborn, Lawrence.
 ΦΜΔ.
 Anders Birger Sandquist, S. Braintree.
 ΦΓΔ.
 Raymond Walker Schuh, Southbridge.
 ΛΧΑ.
 Alan Frederick Shepardson, Pittsfield.
 ΦΓΔ.



George Alfred Sherwin, Keene, N. H.
 ATΩ.
 Herbert Falk Sherwin, Keene, N. H.
 ΦΣΚ.
 Lawrence Walton Shields, Barre, Vt.
 ΛΧΑ.
 Burton Hayward Simons, Worcester.
 ΛΧΑ.
 Benjamin Harrison Smith, Jr., Bloomfield,
 N. J.
 ΛΧΑ.
 Gilbert Barker Smith, Nichols, Conn.
 ΘΥΩ.
 Stedman West Smith, Cleveland, Ohio.
 ATΩ.
 Neil Jerome Starr, Manchester, N. H.
 Joseph Arthur Stead, Millbury.
 Vincent Olaf Stromberg, Auburn.
 ΦΣΚ.
 Carl Norman Svenson, Worcester.
 John Headen Thompson, Torrington, Conn.

William Howard Titley, Naugatuck, Conn.
 ΦΓΔ.
 Arthur Dyer Tripp, Jr., Jewett City, Conn.
 ΛΧΑ.
 Robert Fox Webster, Hartford, Conn.
 ΦΓΔ.
 Ray Dean Wells, Jr., Falmouth.
 ΘΧ.
 Frederic Stanley White, Pawtucket, R. I.
 ΘΧ.
 Harold Carmon Whitman, Marlboro.
 ΘΥΩ.
 Abbott Davis Wilcox, Guilford, Conn.
 ΛΧΑ.
 Michael Clarence Wilson, Worcester.
 George Paine Wood, Southbridge.
 Robert Curtis Wright, Worcester.
 ΦΓΔ.
 John Holway Wyman, Medway.
 Frederick Libbie Yeo, Winchester.
 ΦΓΔ.





ATHLETICS





ATHLETIC COUNCIL

Lyman McNulty Franklin Bell
Taylor Hammer Carpenter Knight Rankin

W. P. I. Athletic Council

1932-1933

STUDENT MEMBERS

HAROLD A. HAMMER, '33, *President* HENRY H. FRANKLIN, '34, *Vice-President*
THOMAS F. McNULTY, '35, *Secretary* HAROLD B. BELL, '34, *Treasurer*
GEORGE W. LYMAN, '33

FACULTY MEMBERS

PRESIDENT RALPH EARLE PROFESSOR A. J. KNIGHT
PROFESSOR P. R. CARPENTER PROFESSOR H. F. TAYLOR

ALUMNI MEMBERS

MR. ALFRED E. RANKIN MR. CHESTER M. INMAN

One hundred two





FOOTBALL TEAM

			Anderson	Maynard	Bigler				
Booth	Drago	Brewer	Furman	Spance	Cruikshank	Drake	Hiller	Webster	
Gould	Cantor	Miseveth	Fowler	Bell	Edgeworth	Hodgkinson	Donohue	Titley	
Gartrell	Peterson	Noreika	Sodano	Maggiacomo	McNulty	Lawton	Nanartonis	Molloy	

Tech Football Team

A. P. MAGGIACOMO *Captain*
 W. A. ANDERSON *Manager*
 E. F. SELLEW *Ass't. Manager*
 P. H. HADLEY, JR. *Ass't. Manager*
 I. E. BIGLER *Coach*

R. T. MAYNARD *Ass't. Coach*
 D. BENNET *Ass't. Coach*
 W. W. ASP *Ass't. Coach*
 A. L. WILKINSON *Ass't. Coach*

PERSONNEL OF PLAYERS

I. J. Gartrell
 R. C. Peterson
 J. F. Noreika
 M. C. Sodano
 A. P. Maggiacomo
 T. F. McNulty
 R. H. Lawton
 J. J. Molloy
 R. E. Gould

A. Cantor
 W. Miseveth
 C. A. Fowler
 G. G. Nanartonis
 S. D. Donohue
 A. O. Bell
 W. L. Edgeworth
 W. H. Titley
 P. W. Booth

T. A. Drago
 E. A. Brewer
 L. J. Furman
 J. C. Spence
 G. S. Cruickshank
 W. F. Drake
 H. Hiller
 R. F. Webster
 G. F. Hodgkinson

One hundred three



Football 1932



Maggiacomo

DURING the last two weeks of fall Shop Practice a very small delegation of men reported for football, in fact there were not enough for a scrimmage. But within two days after school opened Pete Bigler had some forty-five men on the squad. It looked like just an average team at this time, with a large amount of first year men, who were unknown quantities.

Displaying a lack of offensive, but a strong defense, the Tech football team fought to a scoreless tie in their first game with the Coast Guard Academy. Throughout the game the engineers were on the defensive although the Coast Guard team was successfully turned back at all crucial moments. Roy Swenson, diminutive Sophomore half-back shot through the line several times to evade a good part of the secondary defense.

The game opened with Tech receiving on their 30-yard line and running several slight gains. The ball changed hands rapidly, after Sodano's fumble, Drake intercepted a Coast Guard pass and ran it back ten yards.

Throughout the quarter the ball see-sawed back and forth in a punting duel in which Tech gained nothing.

The second quarter opened as the Guardsmen uncorked a drive netting two first downs, which was stopped on the Tech 20-yard line as Capt. Maggiacomo recovered a fumble. Twice more the Engineers' goal line was threatened.

In the third quarter the Coast Guard continually drove the ball within scoring distance, only to be repulsed. The quarter ended with the ball on Tech's 3-yard line in the Boyntonians' possession.

After punting out of danger the Tech eleven rallied and held their opponents even, neither team approaching the other's goal line. In this manner the quarter ended, neither team able to gain.

A finely balanced and strengthened Worcester Tech team chalked up its first victory of the season on Saturday, October 9. Consistent gains by Noreika, Drago and Sodano, coupled with long, high punts and accurate passes by the afore-mentioned Noreika, enabled the Engineers to keep Trinity on the defensive. The only touchdown of the game occurred in the first minute of play. Johnny Molloy charged through and blocked a kick so successfully that the pigskin came to rest on Trinity's 32-yard line; Tom Drago skirted right end with excellent interference to mark up six points for the home team. Johnny Noreika kicked the extra point. After Tech's only sustained drive Trinity stiffened and took possession of the ball on downs. With Trinity in possession at mid-field, in the second half, Tom Drago intercepted a pass to dampen the visitors' aspirations. After a series of punts and running plays Johnny Noreika uncorked a beautiful low, fast pass from the enemy 40-yard line which was snared by Molloy for a first down. Sodano then ripped off five yards. Noreika took the ball, got free, and seemed headed for a touchdown. However, he fumbled only a yard from the goal line and Trinity recovered. The latter immediately punted and held Tech



for but eight yards as the quarter ended. In the last period Trinity got two first downs in succession. The Tech line stiffened, held and the game came uneventfully to a close. The running, passing, and punting of Noreika was a feature of the game. Molloy, Maggiacomo, and Lawton were outstanding on the defense and few plays got past them.



Anderson

Despite an aerial attack which completed twenty-one forward passes out of thirty-four Worcester Tech won a decisive 15-6 victory over the Cadets at Northfield, on the sixteenth of October. Tech scored in the early minutes of the game when Noreika shot a pass to Molloy, who in turn slipped the pigskin to Gould who dashed over the line. Noreika kicked the extra point,—score 7-0. In the second quarter the Engineers marched down the field from their own 20-yard line. Again Gould made the touchdown on a line play. The last period brought a touchdown for the Cadets on a 50-yard run by Ralston. The Norwich men twice came within the Engineer's 10-yard line, but they could get no further. Hodgkinson smothered a Norwich pass behind the line for a safety in the last quarter.

Unable to stop Louis Bush, the Worcester Tech football team went down to defeat at the hands of Massachusetts State College at Amherst on October the twenty-third. Tech supporters saw a diminutive Mass. State back score three touchdowns. Early in the first period Bush took a punt on his own forty and ran it back 20 yards. Two plays later Bush again took the ball and didn't stop till he had crossed the goal. Soon afterwards Sheff made Mass. State's second touchdown. Later, with Johnny Noreika in the lineup, things looked brighter but a punt proved disastrous, for Bush, receiving, ran more than half the field for his second touchdown. Bush gained thirty yards on a pass and on the next play ran another thirty yards for State's final touchdown. Frigard added the extra point.

After a week of strenuous practice Tech huskies lost to Arnold with a score of 13-0. Two passes by Noreika were intercepted. Tech opened up with a strong drive down the field, but stopped before they got within scoring distance. In the second quarter a field goal was blocked by Johnny Molloy, giving the ball to Tech. Gould punted to Arnold but it was fumbled and recovered by Molloy. Tech then gained three successive first downs. With the ball on the 3-yard stripe, Tech lost an excellent opportunity to score. The third quarter saw Arnold's first score. In the last quarter Tech's hopes were shattered when another pass was intercepted by Mantelli. On the next play Arnold scored on a lateral pass.

Worcester Tech's football team swung into the winning column again defeating Rhode Island State team 12-0. Scoring early in the first period, again in the last period, the Engineers showed themselves to be a distinctly superior combination. Noreika kicked off to Kiselico, who ran twenty-three yards to his own 38-yard line. On third down Hodgkinson and Molloy proved themselves heroes by breaking up the kick, the ball was recovered by Molloy. Gould was held for no gain, the ball was given to Hiller, who slipped off right tackle for the touchdown. The last period opened with Tech in possession on her own 34-yard line. A determined assault netted



three first downs. Rhode Island finally stopped the advance and Drake punted. After an exchange of punts, the break came when Noreika ran back from his own 40 to State's 25-yard line. A hard drive brought the ball to the four-yard line. Then came a play in which every man in the Tech backfield handled the ball, Sodano finally carried it over standing up. Tech missed the extra point.

Staging a last period comeback which seemed like a movie thriller, the Worcester Tech gridsters came from behind to down their ancient rival, Rensselaer Polytechnic Institute on November thirteenth, by a score of 13 to 12. There was plenty of action from the opening whistle till the final toot of the timer's horn, and repeated exchanges of punts were noticeably lacking. Gould was outstanding in the backfield while Maggiacomo repeatedly smeared Rensselaer's plays behind the line of scrimmage; Molloy and McNulty were everywhere, getting down fast under punts, snatching passes from amid scarlet (cherry) jerseys, and blocking place kicks which would have given the visitors possible victory, had they been completed. Rensselaer kicked off and Mike Sodano ran the ball back twenty yards to his own forty. Tech advanced the ball to Rensselaer's twenty-one. On the fourth down Gould hurled a long hard pass. It settled in the arms of Tom McNulty, thirty-five yards away, making it W.P.I.—6, R.P.I.—0. Sodano's try for the extra point failed. In the second half R.P.I. in possession on the forty-five yard line, marched down the field for a touchdown. Tom McNulty blocked the kick for the extra point. Sawyer replaced Root for Rensselaer, and repeatedly ripped off five yard gains. After two long gains by him, Maxwell and Downes brought the ball to the four yard line. Sawyer gained two, and Maxwell dove over for a score. The kick was blocked. Things looked pretty bad with the score 12-6 with five minutes left. Continued driving brought the ball down to Rensselaer's twenty-five. Gould made a beautiful catch of a pass from Noreika for a twelve yard gain and after two successive bucks by Gould, Noreika made it first down on the two and one-half yard line. After losing two Edgeworth took the ball and carried it across the line for a touchdown. Noreika then calmly booted the ball for the point that won the game. With one minute to play, Rensselaer desperately tried an aerial attack, but Molloy intercepted a pass and the whistle blew with the ball in Tech's possession.

The record that the football team hung up for the season of 1932 is one to be greatly envied. The final count of only two losses, one tie, and four wins seems to owe a great deal to the first year men, among them Drago and Gould, who helped supply that punch that was characteristic of the team during the entire season. In spite of the fact that such veterans as Capt. Maggiacomo, Fogg, Spence, Molloy, Sodano, and Drake will be lost this June, the outlook for next fall is very bright, and will certainly prove so if the incoming class turns out as well as has the class of '35.





Tech Basketball Team

PERSONNEL

I. J. GARTRELL	<i>Captain</i>
J. H. VAIL	<i>Manager</i>
W. R. BURNS	<i>Ass't. Manager</i>
J. H. RAY	<i>Ass't. Manager</i>
I. E. BIGLER	<i>Coach</i>

I. J. Gartrell, Capt.	J. A. Sukaskas	R. T. Merrell	C. M. Dann
M. L. Skwarek	J. F. Noreika	S. A. Norton	V. T. Ratkiewich
T. E. Decker	H. A. Hammer	R. E. Du Vall	

SCHEDULE

		TECH	OPP.
Dec. 17	Boston University	22	32
Dec. 20	U. S. Coast Guard	26	30
Jan. 14	Trinity	19	32
Jan. 19	Northeastern	40	37
Jan. 21	Brown	41	32
Jan. 24	New Hampshire State	27	28
Jan. 28	Tufts	27	38
Feb. 11	Springfield	26	44
Feb. 15	Connecticut State	25	29
Feb. 18	Clark	44	27
Feb. 21	Wesleyan	26	33
Feb. 22	Upsala	34	35
Feb. 25	Clark	32	28
Feb. 28	Massachusetts State	29	46
Mar. 4	Providence College	22	46
Mar. 7	Rhode Island State	28	49

One hundred seven



Basketball 1932 - 1933



Gartrell

FOUR victories out of sixteen games is the best that Tech's basketball team can boast of for the past season. Starting out with but one man who had earned a varsity position the year before, Coach Bigler had to build up his squad around Captain Gartrell. Injuries and mid-year examinations conspired to break up various combinations and the team was forced into a luckless season.

However, there is one bright light when looking over the defeats of the season. Two of the games were lost by only one point margins and two others by a four point edge. A slight bit of luck in favor of the wearers of the Crimson and Gray would have changed the results of these games and given the team a much more creditable season.

The usual two victories over Clark and one apiece over Northeastern and Brown were the bright spots in the schedule of the Tech team.

Beginning the season with Captain Gartrell as the only man who had played to any extent on the Varsity and Tack Hammer who had played off and on with the varsity, Coach Bigler was faced with the problem of filling the positions left vacant by Bill Asp, Russ Purrington, Bill Cullen, and Johnny Smith who starred last year and had graduated or played the allotted time. Johnny Noreika, last year letter man did not report at the beginning of the practice sessions.

Playing in the first two games with Captain Gartrell and Tack Hammer were Tom Ratkiewich, who previously had been kept off the squad by doctor's orders, Mike Skwarek former second string man and varsity substitute, and George Hodgkinson who was also a second team player and varsity sub.

The first encounter resulted in a defeat at the hands of Boston University in the season's opener in the Alumni Gym, 32-22. Following that the team traveled to New London, Conn., and were again defeated, this time by the Coast Guard Academy by a score of 30-26.

Following the Christmas recess, a change in the makeup of the team took place. Johnny Noreika reported for duty and was immediately placed at guard taking Skwarek's place while "Mike" was moved to the center position. Hodgkinson retired together with Hammer who was replaced at forward by Decker who had been alternating with Hammer and Norton at that berth. Despite the change, the team went down to defeat, 32-19, at the hands of a strong Trinity aggregation at Alumni Gym before a large crowd. On the following Thursday night led by Captain Gartrell, the team hung up a victory at the expense of Northeastern, 40-37. The following Saturday night the same team played a fast and loose game with the Bruins at Providence and won by the score of 41 to 32.

The optimism that arose immediately afterward was short lived, when following a cold trip to Durham, New Hampshire State squeezed out a 28-27 victory. In this game Tom Ratkiewich was disabled by a badly sprained ankle, so when Tufts appeared on Saturday night he was still below form and the team was slowed up con-

One hundred eight



siderably resulting in a victory for the Jumbos, 38-27.

Then came the zero hour in Coach Bigler's winter season. Midyears came along and caused the withdrawal of a stellar defense man and a sub center. On top of this disaster along came the strong Springfield College troupe with two strong teams and the Crimson and Gray colors were lowered by a score of 44-26. Sukaskus, a sophomore, played the vacated guard position in a commendable manner. During the next week the team broke even, losing to Conn. State 29-25 and on Saturday smothering their local rivals 44-27. The team turned in their best play of the season led by the smooth playing of Gartrell, Decker, and Sukaskus.

The form displayed by the team against Clark disappeared over the week end and on Tuesday night the Wesleyan five sent the Tech team home from Middletown on the short end of a 33-26 score. Upsala College came to Worcester on Washington's birthday and won from a fighting Engineer team by one point in the last minute of play. The final count was 35-34. The same week a return game with Clark resulted in the last victory for Tech. Even that game came very near being a defeat but with true courage and spirit the Biglermen came through in the last half to win 32-28.

The last three games of the season were defeats, Bush the mainstay of Mass. State in downing the Tech football team again served the same role and the Crimson and Gray squad returned home downcast, 46-29. The Providence College Friars also showered the boys with more gloom during the week end by whipping them 46-22. Rhode Island State completed the season for Tech by presenting a 49-28 defeat to them at Kingston, R. I.

With Captain Gartrell and Tom Decker the only first string men graduating, Coach Bigler will have a much more experienced nucleus about which to build next year. Mike Skwarek, Johnny Noreika, Joe Sukaskus, regulars at the end of the season, and with the various members of the Freshmen team who replaced the usual second team this year will make up the bulk of the material for next year.

The Freshman team replacing the usual second team played a schedule of seven games and collected three victories and four defeats. The victories were at the expense of the Clark seconds, the Boys Club and Classical High while against South High, North High, Commerce High and the Springfield College seconds, the team was unsuccessful.



Fail





MEMBERS OF SOCCER TEAM

Higginbottom Sherwin Sargent Hebel Whittum Tripoli Lyman Hammer Ensor
 Dahlstrom Ashley Luce Allen Monks Brand Borden

Tech Soccer Team

PERSONNEL

EDWARD K. ALLEN, JR. *Captain*
 ALBERT H. ENSOR *Manager*
 JULIUS L. GOULD *Ass't. Manager*
 HENRY H. FRANKLIN *Ass't. Manager*
 EDWIN HIGGINBOTTOM *Coach*

Edward K. Allen, Jr.
 Henry C. Ashley
 Carleton W. Borden
 John R. Brand
 Walter G. Dahlstrom, Jr.

Herbert J. Erickson
 Harold A. Hammer
 Willy M. Hebel
 Evan C. Luce
 George W. Lyman
 George V. Sargent

Norman Monks
 George A. Sherwin
 Philip Tripoli
 Howard A. Whittum
 William M. Wilson

One hundred ten



Soccer Team



Allen

THE start of the 1932 Soccer season found the ranks greatly diminished by the loss of Tillan and Bull by graduation and Sanderson, Johnson and Ivazian who transferred.

The first contest was the week of the opening of school so it was with only two days of practice that the team went to Amherst. Here, the team was defeated to the tune of 3 to 0, although the defense was good.

In the second game on October 8 the boys fared better. This game was with Mass. State and was played on Alumni Field. The score of this game was more cheering as the visitors were held to only two goals while Borden, with the help of Monks and Hammer, was able to score for Tech.

On October 15 the team made a trip to Wesleyan and was again defeated. The main part of the struggle was between the two goal tenders throughout this game and Sargent performed very well, allowing only two scores.

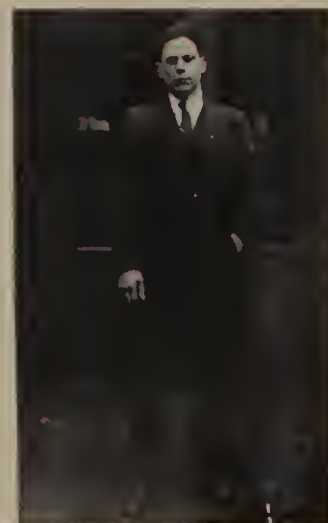
On October 22 the Tech team played at the Conn. Agricultural College. This game was the first win of the season, the score being 4 to 0. In this tussle Borden sank two goals in the third quarter with Brand adding a third for that quarter. In the fourth period the final goal was made by Monks. This game gave the boys confidence and showed that the team was improving rapidly.

The game with New Bedford Textile on October 29, showed that this was so. This team, reputed to be one of the strongest, was defeated by a score of 2 to 1. The first goal was made by Monks and the second was added by Captain Allen when he was given a penalty kick. After this lead was established, the team effectively kept the opponents from scoring in spite of the very determined offense.

On November 5 Clark took to the road to visit us and was sent home with a 5 to 0 defeat. Borden, Lyman and Sherwin were the stars of the game. One of the men lost for this game was Monks who, through an infected leg, was out for the remainder of the season.

The last of this season's games occurred at Tufts where the winning streak of the team was broken by a setback of 3 to 1. This lone score was made by the halfback Luce on a long shot for the goal. One of the reasons for the defeat was the fact that Lyman, Monks and Hebel were unable to fill their usual places on the team.

Lyman, Allen, Tripoli and Hammer are to graduate this June and they will be missed next year at the start of the season. However, there is promising material in the present freshman class and with more coming in in the fall, Tech ought to have a team as good as ever with Coach Higginbottom at the helm.



Ensor

One hundred eleven





TRACK TEAM

		Johnstone, Coach		Blake, Mgr.	
	Miseveth	Flemming	Slagle	Rothemich	Brownlee
McGrath	Webster	Chase	Shepler	A. Moran	Sleczkowski
Frery	Beebe	Egan	Jensen	Capt. Lyman	K. Moran
			Sodano	Ungerer	Doyle
					Kalista
					Brewer

Tech Track Team 1933

Johnstone, Coach	
G. W. Lyman '33	Captain
S. R. Brewer	'33
C. J. Doyle	'33
H. T. Jensen	'33
M. C. Sodano	'33
E. O. Ungerer	'33
W. A. Slagle	'33
A. L. Brownlee	'33
G. S. Beebe	'34
C. J. Egan	'34
C. S. Frary	'34

R. W. Blake, Mgr.	
G. Kalista	'34
E. F. Rothemich	'34
K. L. Moran	'34
A. E. Moran	'35
S. R. Sleczkowski	'35
P. R. Shepler	'35
J. T. Magrath	'36
W. Miseveth	'36
A. T. Fleming	'36
A. C. Chase	'36
R. F. Webster	'36

One hundred twelve



Indoor Track 1933



Lyman

THE indoor track and relay teams were successful in their meets this winter winning three contests and losing two. The colorful relay team made up of Harry Jensen, Ken Moran, Paul Sullivan, and Stan Beebe as well as Bob Gould the freshman star enjoyed a very successful season.

The track team opened at Brown on January 21, and was defeated by a score of 42-34. The outstanding man of the meet was Harry Jensen, the iron man, who won the 300 and the 600, and ran on the winning relay quartet. Joe Doyle ran the most sensational race of his career by beating Mayhew of Brown in the mile run in the creditable time of 4:52. The other members of the team who picked up points were Beebe with a third in the 300 and Moran in the 600. Denning ran well in the 1000 by placing second to Lee, the Brown star. The meet was a tremendous success, even in defeat, as it was a close affair and, creditable to Tech that it was able to hold a large college team to such a close score.

The Tech relay team held the spotlight for the next month with two victories and one defeat. At the Boston Garden in the first relay encounter of the year Tech was pitted against Mass. State and Rhode Island State. Tech was represented by Stan Beebe, Ken Moran, Paul Sullivan and Harry Jensen who ran in that order. Beebe, as lead off man for Tech brought in a four yard lead which was never threatened and brought the Tech team home victors by forty yards. The time for this mile relay was 3:35 flat which sets an all time Tech record, breaking the old record by one and two-fifths seconds.

The relay team was scheduled to meet Brown and Colby in the B.A.A. games on February 11 and came through with a close victory in the time of 3:36. Bob Gould was the new member of the team replacing Stan Beebe. This race was closely contested from the start. Ken Moran was the lead off man and brought in a two yard lead to Bob Gould who fought valiantly, but only battled his man to an even race. Paul Sullivan was unable to do better, and when Jensen received the baton he was seven yards behind. He sprinted to pass Lee, Brown anchor man, and on the last turn was pushed off the track, but managed to tie Lee for first in the mad scramble to the tape. Colby was third.

Brown was disqualified and the race was awarded to Tech. The time, which was a second slower than the week previous was due to the strain of exam week. The following week at the New England intercollegiates the



Whittum and Blake

One hundred thirteen





INDOOR TRACK

Sullivan	Miseveth	Kalista	Ungerer	Blake
Whitcomb	Brewer	K. Moran	Jensen	Lyman
Healy	Doyle	Fleming	McGrath	Denning

relay team again ran against Colby and Brown. The team for this meet was composed of Beebe, Moran, Sullivan, and Jensen. Bob Gould was unable to participate according to Intercollegiate rules. The races were based on comparative times. Tech's lead-off man Stan Beebe was pitted against a strong Colby lead-off man. Ken Moran running second was able to bring the race back to even terms. Brown was out of the race after the first leg. Paul Sullivan ran a good race and managed to give Harry Jensen an even start with Williams of Colby. The last leg was a thriller from start to finish, Williams just nosing out Jensen of Tech for first place. The time for this race was 3:33 flat and broke by two seconds, the record by this team two weeks previously. This record stands because the team times were recorded on a team time basis, thus making Tech the second team in its class at the Garden that night. The times of the men on the team were all below 54:00 seconds for each leg. Beebe was credited with 54, Sullivan was clocked in 53:8, Moran in 52:2 and Harry Jensen, the Tech relay captain was timed in 51:00 seconds; this a record which will probably stand for some time. Next year's team will find all the members returning except Jensen, whose place can be filled with Bob Gould.

One hundred fourteen





CROSS-COUNTRY

Rothemich Frary Granger Whittum
 McKinley K. Moran Brewer Greenwood A. Moran

The last appearance of the indoor track team was at Mass. State on Washington's Birthday. The Tech team was victorious by a score of 49-23. The outstanding performers led by Captain George Lyman, were Harry Jensen who won the 300, took second in the 45 yard dash and tied for first in the 600 with Ken Moran. Lyman and Whitcomb tied for first in the high jump and Jack McGrath, a freshman was a victor in the hurdles, thereby making his letter. This meet closed the 1933 indoor track season which was very commendable.

Mention may be made here that the track forces for next year are very promising after this year's showing. Probably the most outstanding man in track circles here at Tech in many years is Harry Jensen who has been a big factor in Tech victories for four seasons. In Jensen's four years of remarkable performance, his greatest value has been found in anchoring Tech's victorious relay teams.

Jensen has hung up a record which will stand for a long time. Capt. George Lyman, another senior has also been a steady performer in Tech track circles. Lyman has been a consistent point man in the hurdles. Mike Sodano also leaves us with a school record to his credit in the javelin.

One hundred fifteen



1932 Track Season

The members of the 1932 outdoor track team made an enviable record by decisively defeating their opponents in three dual meets, and in the Eastern Intercollegiates at Alumni Field failed by one point to win the title. It was one of the most successful seasons that the Tech track and field forces have enjoyed.

The team opened at Nickerson field in Boston where they faced the Boston University aggregation and won by a decisive margin of 92-43. The Tech team took nine firsts and twelve seconds. The highlights of the day were Lyman's victory in the hurdles, Kalista's first in the hammer, second in the shot and second in the discus. Joe Doyle ran a beautiful half mile to nose out the Boston University entrant, while his running mate, Stan Brewer, took a second in the mile run which was won by Vinny Buell, Nick Nyquist and Ken Moran came in one-two in the quarter.

In the second meet of the season with Tufts, Tech was victorious by the impressive score of 101-34. The Tech outfit scored eleven firsts out of fifteen, which was well for the Tech team. Outstanding in the meet were Lyman and Sonny South. Sonny collected two firsts, winning the century and the furlong. Lyman had a first to his credit in the high hurdles and a second in the lows. Three men made their letters in this meet. Frary won the two mile run. Bill Denning triumphed in the quarter in which Nick Nyquist was second. Ken Moran, a freshman won the half mile to make his letter for the first time. Kalista broke the record in the discus held by Hunt of '20, with a heave of 120 ft. In this meet George scored sixteen points. It is interesting to note that Tech had a well balanced team, being formidable in the field events as well as the track events.

The third straight win was over a highly touted Mass. State team at Alumni field on May 7. It was held in conjunction with the schoolboy meet. This meet produced a new star in the name of Harry Jensen who won the feature event of the day, the 440, in the good time of 52 seconds flat. Lyman was a victor in the high and low hurdles again, Sonny South a winner in the century and furlong, Kalista performed in his usual manner by scoring twelve points. Tech won this meet by a score of 85-50.

The fourth time that our team appeared was at the Eastern Intercollegiate meet held at Worcester on May 14 in which seven equally matched teams battled for first place. This meet was of more interest than in the past as two teams Northeastern and Springfield agreed not to compete. As a result the final contest was between Tech and Rhode Island State. Tech succeeded in qualifying nine men, as against ten for Rhode Island, in the preliminaries which were held in the morning. In the finals Tech fought for every inch, losing however, to Rhode Island State by a single point. Kraushe of Rhode Island State gathered the largest number of points, thirteen, while South of Tech and Crawford of Mass. State tied for second honors with ten apiece.

One hundred sixteen



South took first in the 100 and 220 yd. dashes. The final results gave Rhode Island State $45\frac{1}{2}$ and Tech $44\frac{1}{2}$.

The team journeyed to Providence on Friday, May 20, to compete in the New England Intercollegiates trials. Unfortunately, we failed to place a man. This brought the curtain down on the 1932 track season, which on the whole was a very successful one. Prospects for next year are very bright and Coach Johnstone is looking forward to another victorious team. It might be well to mention here, that two school records were broken during this season. Gordon Whitcomb broke the high jump standard while George Kalista smashed the discus mark.



Whittum
Jensen Sullivan K. Moran Gould





BASEBALL TEAM

Peterson, Mgr.

Starrett	Howes	DuVall	Sandquist	Holmes
Gartrell	Cantor	Noreika	Deslauriers	Gould

Baseball Team 1933

Ivan Bigler, Coach

John F. Noreika	'34 Captain
A. Deslauriers	'33
I. J. Gartrell	'33
A. P. Maggiacomo	'33
J. J. Molloy	'33
J. R. Driscoll	'34
R. J. Koziol	'34
A. Cantor	'35

R. C. Peterson, Mgr.

R. E. DuVall	'35
F. O. Holmes	'35
R. F. Starrett	'35
R. E. Gould	'36
H. Hiller	'36
R. S. Howes	'36
A. B. Sandquist	'36
I. H. Bottcher	'36

One hundred eighteen



Baseball 1932



Noreika

THE 1932 baseball season was quite successful in comparison with the mediocre seasons of the past. In the nine games which were played, Tech came out on top, by winning five, losing three, while one contest was tied. The prospects of a good season seemed slight before the season began, on account of the lack of good pitchers. However, "Hooker" Terry came to the rescue by developing into a very effective moundsman. He was aided considerably by Russ Purrington. Between these two the enemies bats were silenced to a great extent.

The first game was played against New Hampshire State. It was a clear, bitter cold day. On account of this fact the game was called at the end of the ninth inning although the score was 8 to 8. Terry demonstrated his ability by holding the opposing batsmen to one hit in the four innings which he pitched.

In weather similar to that in which the N.H.S. game was played, but with the addition of snow squalls to provide variety, Tech won 4 to 3, from Trinity. It was one of the hardest fought games of the season, the result being in doubt until Noreika's hit in the last inning drove in the winning run. Terry allowed only six hits and struck out seven men.

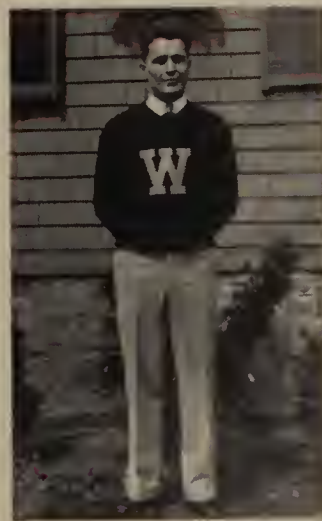
The team suffered its first defeat at the hands of Norwich University by the score of 9 to 6. Tech seemed to be on the road to victory until the sixth inning when Purrington blew-up and the whole team seemed to go stale.

In the first game with our great rival, Clark University, the team found little difficulty administering another sound beating to them. Though the score, 4 to 3, was close it was by no means an indication that the game was likewise for the Tech team played with a devil-may-care attitude.

On May 7, the team travelled down to Boston to play Northeastern University. The play was listless in this game, the only shining light was Johnny Molloy's pegging to second where he caught five men. The final score in this game was 4 to 0.

Another hard fought game was that played with Rhode Island State. The outcome of the contest was not decided until the tenth inning when Rhode Island shoved the winning run across and won by the score of 3 to 2. Terry was performing like an old trouper, his pitching being most effective.

Tech made another entry in its list of victories by downing Mass. State 11 to 7. Tech got full value from its hits in this game, scoring 11 runs on 12 hits. In this game the team began a hitting streak which lasted until the end of the season. Leach, Gartrell and Lanciault were the big guns in this fiesta.



Peterson

One hundred nineteen



The ignominy of being held to a scoreless tie by the football team from Arnold College was avenged in baseball by an 8 to 6 victory. The Arnold pitcher was wild, but his team was in the fight until Terry was sent in for Purrington. Terry, as usual, took immediate control of the situation.

The final game of the year was another of the now-famous Clark-Tech melodramas with Clark fighting bravely, but in vain, against the conquering engineers. The final score of the game was 9 to 0. This game brought to a close the athletic careers of several Tech Seniors. Most prominent among these was Bill Asp. Others were Terry, who was one of the most prominent figures in Tech's five victories; Leach, the handsome fellow who played well at second base; Hansen, the long-armed chap in right field; Purrington, who pitched some excellent games; and, last but by no means least our erstwhile captain, Bert Lanciault, who played centerfield and came in handy whenever a hit meant a run or a rally.

Thus, Pete Bigler's appetite for a majority of wins was once again sated and the curtain was rung down on a most successful season.



"Pete" Bigler





SWIMMING TEAM

Coach Grant	Falvey	Sleeper	Franklin	Makela	Shabeck, Mgr.
McElroy	Wiley	Force	Capt. Fogg	McNulty	Bergstrom
					Luszczynski

Tech Swimming Team

J. H. FOGG	.....	<i>Captain</i>
F. GRANT	.....	<i>Coach</i>
J. C. L. SHABECK	.....	<i>Manager</i>
C. E. PARTA	.....	<i>Ass't. Manager</i>
H. B. BELL	.....	<i>Ass't. Manager</i>

PERSONNEL OF SWIMMERS

J. H. Fogg	C. G. Bergstrom
H. H. Franklin	N. J. Luszczynski
D. Force	G. A. Makela
C. McElroy	D. H. Sleeper
R. Falvey	T. F. McNulty
P. Wiley	J. L. Gould

One hundred twenty-one



Swimming



Shabeck

THE swimming team came into its own again this season with a record marred by but two losses in seven starts, these being to Trinity and Springfield. The latter team placed second in the New England Intercollegiates.

In the first meet with Connecticut Aggies, the mermen piled up a score of 58 against their opponents 18. The local lads took seven of a possible nine places, making an auspicious start for a successful season.

Coach Grant's men further added to their laurels when they invaded the precincts of a strong Wesleyan aggregation, winning by a score 46-31.

With two decisive victories tucked under their belts, the Crimson and Gray natators bowed to a powerful Springfield team to the tune of 60-17 in the Fuller Pool. However, the meet was by no means one-sided, and Springfield had to fight for every point.

After a short period of inactivity, the locals suffered a second defeat at the hands of the Trinity natators. The score being 37-34. It was a closely fought battle. Franklin and Falvey gained individual honors, smashing records in the backstroke and breaststroke respectively.

Under the sting of two defeats, the locals emerged victors in successive meets three days apart. The first of these was against Boston University, in an evenly matched encounter, ending in a score of 41-36. Franklin again came through, breaking the college record in the backstroke. The second victim was Amherst. In this set-to the strong Amherst team came out on the short end of a 45-32 score. Falvey swam a good race to win the 220 yd. breaststroke, while Franklin lowered his own backstroke record by two-fifths of a second. Force tied the pool record in the 40 yd. dash.

In the final duel meet of the season, an undermanned Bowdoin aggregation suffered a 58-18 setback. In this, his last college meet, Capt. Joe Fogg won the diving, displaying his usual steady consistent form of the entire past season. Franklin starred again, tying Osipowich's record of 56 in the century, and at the same time breaking the 220 record. Falvey also shared honors setting a new pool record in the breaststroke.

In the New England Intercollegiates, a series of upsets forced Tech to be content with sixth place. However, with men like Franklin, Falvey, Wiley, McNulty, and Force, with us next year; the Crimson and Gray natators show prospects of having another successful season.



Fogg





TENNIS SQUAD

		R. Corsini, Coach		E. Allen, Mgr.			
H. Sherwin	Bruce	Swan	Prentice	Borden	Gowdey	Johnson	Decker
L. Bausman	Flanagan	Palmer	Capt. U. Corsini	Norton	Cummings	G. Sherwin	

Tennis Team 1933

PERSONNEL

R. V. Corsini, Coach		E. K. Allen, Manager	
U. F. Corsini '33	Captain	J. E. Flannigan	'34
W. F. Bausman	'33	F. W. Swan	'35
G. A. Cummings	'33	C. W. Borden	'36
S. B. Palmer	'34	R. M. Bruce	'36
S. A. Norton	'34	M. C. Gowdey	'36
		L. W. Johnson	'36
		C. H. Prentice	'36
		G. A. Sherwin	'36
		H. F. Sherwin	'36

One hundred twenty-three



1932 Tennis Team



Corsini

ALL expectations of a successful tennis season were realized when the 1932 Tennis Team, composed of five veterans and one freshman, played with consistent brilliancy throughout the whole season. Co-captains Wilson and Corsini, Alber, Carlson, Palmer and Sanderson made up the team, which had the earmarks of the finest ever to represent W.P.I. Sanderson was the only new addition to the squad, and his success in all his matches proved that confidence in this port-sided newcomer was not misplaced.

After suffering a momentary setback at the hands of Trinity on April 27, the Engineers quickly recovered and won the next four matches. The first victory was hung up at the expense of Vermont, the score being 4 to 3.

On April 4, the Engineers journeyed across the city to play a match with Holy Cross. Wilson and Sanderson came through in a close doubles match to win by a single point.

Bowdoin was the next to fall and this win was repeated a few days later at the expense of Middlebury. Again on May 14, Tech pinned a 6 to 3 setback on Providence.

This string of victories was broken by a strong Springfield team on the Springfield home courts. Palmer and Carlson were the only Tech men able to annex a point, thus leaving the score 7 to 2.

The following Saturday the Engineers again garnered a victory, this time over Clark. This match was somewhat marred by rain but that did not prevent Tech from getting a 5 to 0 victory.

Full of confidence the racquet-swingers from the Hill went to Medford to meet the Tufts representatives in the final match of the season. As a fitting climax for a successful season Tech won handily, 5 to 3. This victory brought the seasons total of wins to seven which compares very favorably to the two losses.



Allen





GOLF SQUAD

Holt	Denning	Stenbeck	Main	Huntley	E. Johnson, Mgr.
Kowalski	Ekberg	Capt. Andersen	Sigda	Sleeper	Sadick

Golf Team 1933

E. L. Johnson, Manager

A. O. Andersen, Capt. '33	D. H. Sleeper '35	G. W. Huntley '36
W. J. Denning '34	V. Stenbeck '34	W. C. Main '36
A. C. Kowalski '34	A. C. Ekberg '36	L. Sadick '36
J. R. Sigda '35	W. H. Holt '36	

One hundred twenty-five



1932 Golf Team



Andersen

THE 1932 Golf Team was especially fortunate in retaining within its folds five veterans of the 1931 season. Captain Irwin Peterson, Paul Cheatham, "Art" Andersen, "Whitey" Backstrom, and "Tony" Kowalski were those who again sought victory on the links for W.P.I. The only new member was "Dick" Merriam '35, who ably demonstrated his golfing ability as he faced the keen competition furnished by the many other aspirants for a place on the team.

The first match was with M.I.T. and was staged at the Wachusett Country Club in Worcester. After a close and exciting duel the M.I.T. golfers won by a 4 to 2 margin.

On May 2, the Engineers faced their strongest opposition of the season when they played Holy Cross. The match wound up with a 9 to 0 victory for the Crusaders. However, when the Bowdoin aggregation journeyed to Worcester, they were held to a 3 to 3 tie by Tech.

The Engineers again tasted defeat at the hands of B.U. on May 5. Captain Peterson lost a tough match on the eighteenth hole which might have turned the tables on the Terriers.

Finally the Tech golfers fell into stride and easily took the next two matches. Providence College was the first to fall as Tech took matters its own way and the final score was 5 to 1.

May 5 found the team at the Orchard Golf Club in South Hadley where it garnered its second victory. "Art" Andersen starred for the Tech players as they chalked up a 5 to 1 win.

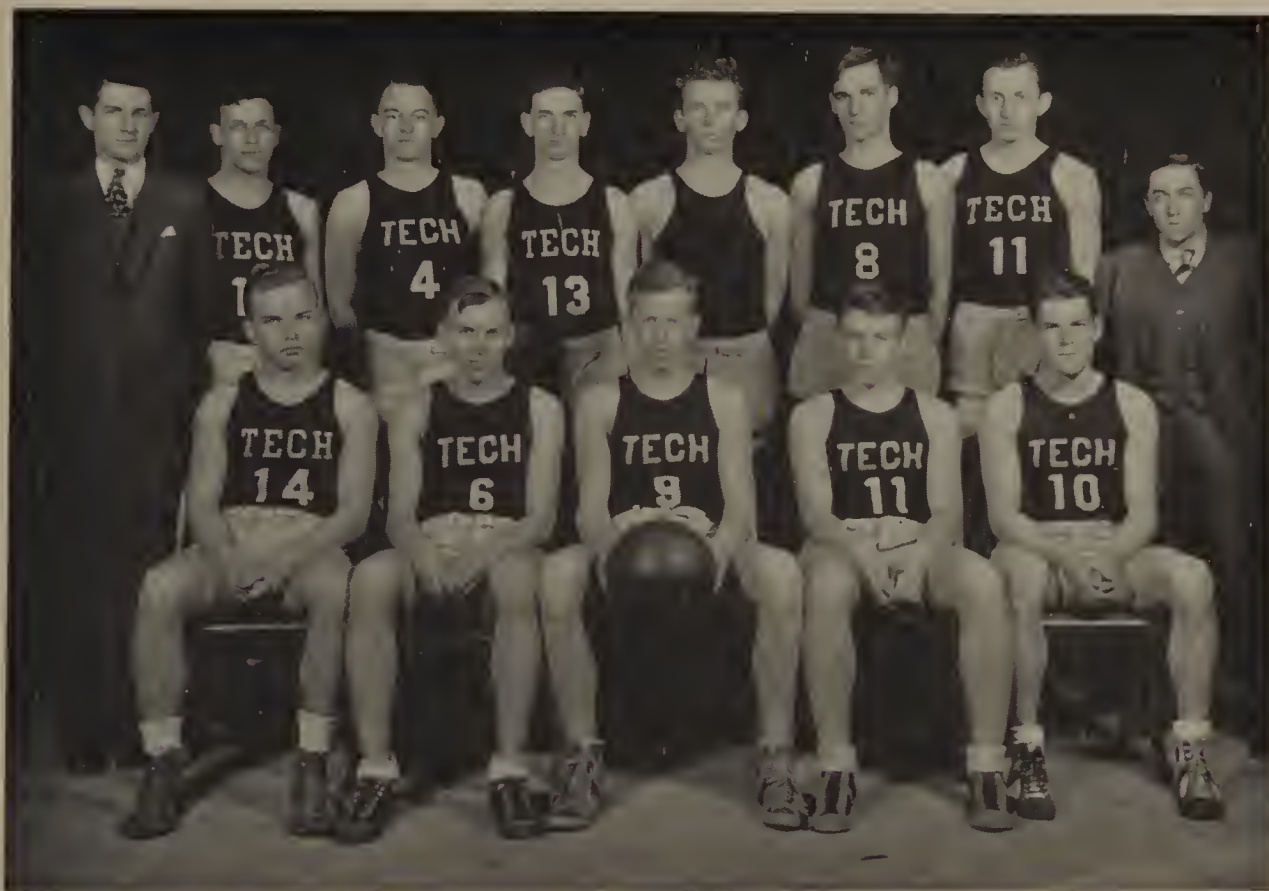
The last match was played on May 27, and marked the close of an eventful and exciting season. This match was with the strong Tufts team which was out to avenge the defeat by Tech during the preceding season. The visitors accomplished their purpose and forged ahead to win only by a narrow margin.

In view of the difficult schedule the Golf Team had faced the 1932 session was considered a success and already the Institute is looking forward to similar or even better season for next year.



Johnson





FRESHMAN BASKETBALL

Burns Sherwin Maine Sadick Phelps Svenson Porter Ray
 Sandquist Henrickson Hiller Borden Titley

Tech Basketball Seconds 1933

Professor H. A. Maxfield, Coach

C. W. Borden
 D. J. Harrington
 H. F. Henrickson
 H. Hiller, Captain

W. C. Maine
 J. W. Phelps
 A. Z. Pizan
 J. A. Porter
 W. H. Titley

L. Sadick
 A. B. Sandquist
 H. F. Sherwin
 C. N. Svenson

One hundred twenty-seven





FRESHMAN SWIMMING TEAM

Coach Grant	R. Guild	Bruce	Parta	Grublevskas	Lane	Bell
Smith	Ekberg	Shepardson	L. Johnson	Gray	Leech	Jones

Freshman Swimming Team 1933

F. W. Grant, Coach

R. W. Bruce
A. C. Ekberg
H. C. Gray
R. H. Guild

V. P. Grublevskas
L. W. Johnson
A. H. Gurnham
F. K. Jones
S. W. Smith

H. B. Bell, Manager

C. E. Leech
J. A. Lane
J. A. Porter
A. F. Shepardson

One hundred twenty-eight





RIFLE CLUB

Henrickson Manvel Schuh Wiley
 Flagg Bausman Lee Richmond

Rifle Club

OFFICERS

WELLS F. BAUSMAN *President*
 ROBERT C. FLAGG *Vice-President*
 ORRIN P. LEE *Manager-Secretary*
 JOHN A. HENRICKSON *Treasurer*

MEMBERS

Raymond Schuh	Orrin Lee	Gordon Signor
Plummer Wiley	John Henrickson	Robert Flagg
Wright Manvel	Wells Bausman	

One hundred twenty-nine





Beebe Osborne Wyman Manvel Burns

Cheer Leaders

WRIGHT H. MANVEL

ALTON B. WYMAN

E. HUGH OSBORNE

GEORGE S. BEEBE

WARREN R. BURNS

One hundred thirty





FRATERNITIES





INTERFRATERNITY COUNCIL

Watkins Saltmarsh Manvel Franklin
Decker Pierce Richey Perreault Keefe

Interfraternity Council

PROFESSOR ALBERT S. RICHEY, *Chairman*

PROFESSOR CLARENCE A. PIERCE, *Secretary*

MEMBERS

PHI GAMMA DELTA	WRIGHT H. MANVEL
SIGMA ALPHA EPSILON	HARVEY PERREAULT
THETA UPSILON OMEGA	HENRY H. FRANKLIN
ALPHA TAU OMEGA	IRVING J. GARTRELL
THETA CHI	JOHN C. KEEFE, JR.
LAMBDA CHI ALPHA	ALLEN L. BROWNLEE
PHI SIGMA KAPPA	THOMAS E. DECKER

One hundred thirty-two





Manvel Lyman Molloy Jensen Hammer Putnam
Tinker Vail Gartrell Fogg Purrington Maggiacomo

Skull

Senior Honorary Society

Founded 1911

Member with Distinction, PRESIDENT RALPH EARLE

FACULTY

Professor Herbert F. Taylor
Mr. Donald Graham Downing

Mr. M. Lawrence Price
Mr. A. Francis Townsend

1932—MEMBERS—1933

Mr. Ivan E. Bigler
Joseph H. Fogg
Irving J. Gartrell
Harold A. Hammer

Harry T. Jensen
George W. Lyman
Antonio P. Maggiacomo
Wright H. Manvel
John J. Molloy, Jr.

Russell D. Purrington
Donald W. Putnam
John R. Tinker
Jeremiah H. Vail

Since 1911, Skull has taken into its membership men of the Senior Class who, by their personality, leadership, ability, et cetera, have proven themselves worthy of an especial honor.

For the second time since its founding, Skull has admitted a non-graduate of Tech, this time Coach Ivan E. Bigler. The Skull Trophy, given annually to the Freshman who has accomplished the most for W.P.I., was presented to Everett Sanderson, with honorable mention to "Tom" McNulty.

One hundred thirty-three





PHI GAMMA DELTA

One hundred thirty-four





Phi Gamma Delta

ΦΓΔ CHAPTER HOUSE, 99 SALISBURY STREET

Founded at
Washington and Jefferson College
April 22, 1848

Pi Iota Chapter
Founded
November 21, 1891

FACULTY

Professor Leland L. Atwood

Assistant Professor William L. Phinney

Mr. A. Francis Townsend

1933

R. Bumstead
L. Jackson
E. A. Perry

W. H. Hinchliffe
W. H. Manvel
J. C. Spence

J. H. Fogg
A. G. Parker
R. T. Maynard

1934

R. N. Clark
P. W. Booth
T. A. Hyde, Jr.
P. E. Johnson
R. B. Logan

R. D. Barnard
G. S. Cruickshank
P. S. Grierson, Jr.
C. M. Lane
E. F. Sellev

G. S. Beebe
W. F. Drake
P. H. Hadley, Jr.
H. F. Lorenzen
G. A. Stevens

1935

C. M. Dann
R. H. Lawton
O. L. Kinney

R. E. DuVall
H. A. LeDuc
P. R. Shepler
R. F. Starrett

J. K. Healey
A. N. Parry
F. W. Swan, Jr.

1936

H. Hiller
C. H. Prentice
R. F. Webster

L. B. Howard
A. B. Sandquist
R. C. Wright

J. W. Phelps
W. H. Titley

PLEDGES

G. L. Chase

N. Marshall

A. F. Shepardson

One hundred thirty-five





SIGMA ALPHA EPSILON

One hundred thirty-six





Sigma Alpha Epsilon

ΣΑΕ CHAPTER HOUSE, 6 HUMBOLDT AVENUE

Founded at
University of Alabama
March 9, 1856

Massachusetts Delta
Chapter Founded
April 10, 1894

FACULTY

Prof. Charles M. Allen
Mr. Russell V. Corsini

Prof. Percy R. Carpenter
Mr. Clyde W. Hubbard
Mr. Warren R. Purcell

Prof. Herbert Taylor
Mr. M. Lawrence Price

Wells F. Bausman
Harry F. Clarke
Umbert F. Corsini
J. Roy Driscoll

1933
Robert E. Ferguson
Paul G. Guernsey
Harry T. Jensen

Alexander C. Lendo
Walter H. Perreault
Gordon E. Signor
Gordon R. Whittum

William J. Denning, Jr.
Charles J. Egan
L. Robert Laroche

1934
N. Robert Mango
John A. McMahon
Paul I. Sullivan

Gordon P. Whitcomb
Howard A. Whittum
Robert H. Houghton

Robert M. Branch
Daniel W. Burns
William F. Butler, Jr.

1935
Arthur W. Dunham
John J. O'Shea
Loren H. Pease
George H. Perry

David V. Smyth
Harold C. Tarbox
J. James Tasillo

Leo T. Benoit

1936
Daniel J. Harrington, 3rd

George E. Rocheford

PLEDGES

William F. Atwood, Jr.
George P. Beaulieu
Roger W. Bruce
Loring Coes, Jr.

Norman W. Gaudreau
William E. Grubert
Thomas J. Healey
John T. McGrath, Jr.

Guy G. Nanartonis
John A. Porter
Donald H. Sleeper
Philip J. Sullivan

One hundred thirty-seven





ALPHA TAU OMEGA

One hundred thirty-eight





Alpha Tau Omega

ATΩ CHAPTER HOUSE, 24 INSTITUTE ROAD

Founded at
Virginia Military Institute
September 11, 1865

Massachusetts Gamma Sigma
Chapter Founded
November 27, 1906

FACULTY

Prof. Hobart H. Newell

Prof. Howard P. Fairfield
Mr. J. Edward Fitzgerald

Prof. Theodore H. Morgan

1933

W. A. Anderson
G. A. Cummings, Jr.
E. M. Holt
I. J. Gartrell

J. J. Molloy
E. C. Ostlund
R. C. Peterson
W. C. Saltmarsh
J. S. Maloney

J. C. L. Shabeck, Jr.
J. R. Tinker
F. F. Whitford
H. E. Hosmer

1934

W. M. Berrell
F. J. Crowley
E. R. Maddock

E. H. Osborne
C. E. Parta
A. E. Pihl
M. L. Skwarek, Jr.

W. R. Powell
R. F. Porter
P. C. Sherburne

1935

R. C. Flagg
D. C. Holt
C. G. Lincoln
D. C. McLeod

K. L. Moran
T. F. McNulty
*L. V. Olson
J. R. Sigda
R. O. Swenson

C. Paige
H. R. Smart, Jr.
J. E. Tholl
H. R. Morrison

1936

E. A. Brewer
K. D. Eastman
A. D. Edgerton

A. H. Gurnham
D. K. Morse
R. L. Remy
G. A. Sherwin

S. W. Smith
R. E. Gould
H. M. Dudley

*Died March 7, 1933

One hundred thirty-nine





THETA CHI

One hundred forty





Theta Chi

OX CHAPTER HOUSE, 85 SALISBURY STREET

Founded at
Norwich University 1856

Epsilon Chapter
Founded 1909

FACULTY

Dr. Richard A. Beth

Prof. Carl F. Meyer
Prof. Carleton A. Read
1933

Mr. Arthur M. Tarbox

Ethan D. Bassett
Gordon E. Barnes
Albert O. Bell
Robert W. Blake
Albert H. Ensor

Carroll M. Johnson
John C. Keefe, Jr.
C. Bradford Newell
Howard A. Offers

Edwin L. Pollard
Wesley B. Reed
Sumner B. Sweetser
Eugene J. Teir
Arthur M. Wheeler

1934

Leonard B. Almy
Clarence W. Anderson
Harold B. Bell
Albert H. Bellamy, Jr.

Charles N. Bissell
William E. Burpee
Willard P. Greenwood
George Kalista

V. Thomas Ratkiewich
Edmund F. Rothemich
James V. Rowley
Warren S. Snow

1935

Karl H. Bohaker
Allan F. Hardy, Jr.
Francis L. Harrington

Theodore D. McKinley
Gordon S. Swift

Robert B. Taylor
Plummer Wiley
Hewitt E. Wilson

1936

Walter F. Beth
Paul M. Downey

Robert Fowler, Jr.
Ernst P. L. Krippendorf

R. Dean Wells, Jr.
F. Stanley White

PLEDGES

Irving H. Bottcher
Raymond J. Casler, Jr.
George U. Dautrich
George B. Estes

Richard S. Falvey
Scott K. Goodwin
Harold F. Henrikson
Robert H. Hood
Robert E. Maynard

Harry F. McRell, Jr.
Henry Plimpton
John A. Richardson
Russell H. Wood

One hundred forty-one





LAMBDA CHI ALPHA

One hundred forty-two





Lambda Chi Alpha

AXA CHAPTER HOUSE, 30 TROWBRIDGE ROAD

Founded at Boston University Pi Zeta Chapter Founded
November 2, 1909 June 15, 1913

FACULTY

Prof. Carl D. Knight Prof. Harold A. Maxfield Dr. Raymond K. Morley
Mr. William W. Locke, Jr. Mr. Charles L. Wright

1933

A. B. Belcher
A. L. Brownlee
W. J. Cullen
A. H. Dixon
A. H. Fuller

D. W. Haskins
E. O. Leppanen
G. W. Lyman
W. T. Payne

H. E. Perkins, Jr.
D. W. Putnam
F. B. Roberts
C. L. Smith
W. A. Slagle, Jr.

1934

B. H. Colby
R. W. Fulton
B. G. Larson

F. R. McLaren
W. E. Mesh

J. H. Ray
E. L. Smith, Jr.
H. E. Stockwell

1935

R. Bliven
R. R. Clark
T. T. Clark
T. M. Cole

P. S. Dean
O. P. Lee
D. G. MacMillan

K. C. Smith
R. L. Stone
R. A. Waddell
D. L. Watkins

1936

D. L. Edmunds
G. W. Fuller
J. R. Hastings, Jr.

G. W. Huntley
F. E. Hyatt, Jr.

D. M. Morley
A. D. Tripp, Jr.
A. D. Wilcox

PLEDGES

H. S. Burr
W. C. Clark
H. N. Cox, Jr.
W. G. Dahlstrom, Jr.

A. T. Fleming
R. P. Hook
R. D. Hunter
J. A. Lane
V. R. Olsen

W. S. Proctor
L. W. Shields
B. H. Simons
B. H. Smith, Jr.

One hundred forty-three





PHI SIGMA KAPPA

One hundred forty-four





Phi Sigma Kappa

ΦΣΚ CHAPTER HOUSE, 11 DEAN STREET

Founded at
Massachusetts Agricultural College
March 15, 1873

Epsilon Deuteron
Founded
June 3, 1915

FACULTY

Prof. Francis W. Roys

Dr. A. Wilmer Duff
Mr. Edward C. Milde
1933

Mr. Donald G. Downing

E. K. Allen, Jr.
W. E. Bass
C. S. Brewer
R. F. Bye
T. E. Decker

K. E. Gleason
G. U. Gustafson
H. A. Hammer
E. L. Johnson
R. T. Merrell
L. H. Peters, Jr.
1934

R. D. Purrington
M. C. Sodano
E. O. Ungerer
R. J. Voigt
A. B. Wyman
C. S. Knight

W. L. Edgeworth
R. L. Goodwin
J. L. Gould

T. F. Hammett
J. S. Hancock
G. F. Hodgkinson
1935

S. A. Norton
R. L. Richmond
G. V. Sargent (Pledge)

D. Force
F. O. Holmes, Jr. (Pledge)
J. A. Johnson, Jr.
H. V. Leckie, Jr.

C. W. McElroy
W. E. McKay
R. L. Nims
C. C. Puffer
1936

C. S. Smith
E. W. Soderberg
E. A. Weiss
W. E. Wyman

C. W. Borden
J. R. Brand
A. C. Chase
A. C. Ekberg

H. J. Erickson
W. R. Hannah
L. W. Johnson
W. C. Maine

W. Miseveth
H. N. Pierson
H. F. Sherwin
V. O. Stromberg

One hundred forty-five





THETA Upsilon OMEGA

One hundred forty-six





Theta Upsilon Omega

ΘΥΩ CHAPTER HOUSE, 30 INSTITUTE ROAD

Founded by Amalgamation
of Ten Local Chapters
May 2, 1924

Beta Alpha Chapter
Founded
May 2, 1924

FACULTY

Major J. W. Howe
Prof. A. J. Knight

Dr. G. H. MacCullough
Prof. K. G. Merriam

Mr. E. R. Spaulding
1933

F. F. Dodge
F. L. Eaton, Jr.
C. L. Johnson

A. L. Joslin
G. W. Nicoletti

F. M. Potter
W. W. Tuthill
J. H. Vail

1934

W. R. Burns
H. W. Daniels, Jr.

H. H. Franklin
C. S. Frary, Jr.
C. A. Hedler

C. E. V. Rydman
M. S. Williams

1935

C. G. Bergstrom
W. A. Blau, Jr.
H. F. Gale

J. B. Howes
L. G. Humphrey, Jr.
W. L. Johnson

J. C. Martinka
R. P. Merriam
C. A. Spencer, Jr.

1936

H. T. Anderson, Jr.
R. M. Bruce
F. F. Cole
J. A. Crane

T. C. Frary
E. K. Gladding
J. E. Guild
R. S. Howes
C. E. Leech

R. A. Morrill
L. D. Robbins, Jr.
R. W. Schuh
H. C. Whitman

PLEDGES

E. M. Crowell
A. E. Smith
R. M. Cape
W. M. Hebel

E. C. Luce
H. C. Gray
R. H. Guild

R. C. Hudson
F. K. Jones
W. F. Rouse
G. B. Smith

One hundred forty-seven





SIGMA OMEGA PSI

One hundred forty-eight





Sigma Omega Psi

ΣΩΨ

Founded at
City College of New York
1915

Theta Chapter
Founded
1918

1933

Charles Wolk

Leo Burwick

1934

Harold Feingold
Robert S. Grand

Harold Narcus
Louis Press

1935

Samuel Ehrlich
Joseph Glasser
Frederic Morgenstern

Nathan Shuman
Irving Skeist
Louis Soloway

Lester L. Libby

1936

Jacob Bresler
Abner Crumb
Murray W. Edinburg
Ralph I. Houdush

Alexander Gordon
Nathan R. Levine
Jacob Sacks
Louis Sadick

Edward E. Jaffee





KAPPA PI SIGMA

One hundred fifty



Kappa Pi Sigma

KΠΣ

Founded at
Cleveland, 1925

Worcester Gamma
Established 1930

Established in 1928, the local fraternity, Zeta Sigma Pi, was organized for the purpose of forming closer bonds of friendship among the Polish students at Worcester Tech. The Polish students at Tech felt that they could increase the number of young Polish men attending colleges if they took an organized part in explaining the opportunities available to them, and their efforts have been rewarded by the large increase in Polish men in the entering class at W. P. I.

In 1930 Zeta Sigma Pi became a chapter of the national fraternity of Kappa Pi Sigma.

1934

Walter J. Kowal
Anthony C. Kowalski

Roman J. Koziol
Charles E. Sliva

1935

Bronislaw M. Gruzdis
Norbert J. Lusezynski
Stanley J. Sleczkowski (Pledge)

William J. Samborsky
G. Theodore Wisniewski

1936

PLEDGES

William J. Kosciak

Adam Z. Pizan

One hundred fifty-one





THE FRIARS

One hundred fifty-two





The Friars

CHAPTER HOUSE, 5 LANCASTER TERRACE

Founded November, 1930

1933

Ambrose Kennedy
William F. Reardon
Philip Tripoli

William E. Ashe
John J. Dwyer
Antonio P. Maggiacomo

Edward F. Donahue
1934

Edward L. Barrett
Raymond E. Begley

Joseph E. Flanagan
H. Raymond Sjostedt

Humphrey J. Wrin
1935

Edward F. Cronin
Raymond G. DesRochers

Ladislaus T. Jodaitis
Albert E. Moran

Frank H. Madigan
PLEDGES 1935

John D. Cahill
John B. Coyle

John J. Molloy
Edward J. Lunney

1936
PLEDGES 1936

Ronald V. DeFeo
Anthony A. Caparelli

John J. Balasevich
Martin C. Gowdey

Edward V. Montville

One hundred fifty-three





Shabeck Sweetser Anderson Whitcomb Gleason Gustafson
 Lyman Allen Jackson Fogg Hammer Vail
 Whittum Manvel Ostlund Wyman Jensen

Tau Beta Pi

NATIONAL HONORARY ENGINEERING SOCIETY

Member with Distinction, PRESIDENT RALPH EARLE

FACULTY

Prof. Francis J. Adams	Prof. Arthur W. French	Prof. Hobart H. Newell
Prof. Charles M. Allen	Mr. Clyde W. Hubbard	Prof. Albert S. Richey
Prof. Frederick R. Butler	Prof. Carl D. Knight	Mr. Leslie L. Robinson
Mr. Russell V. Corsini	Prof. Gleason H. MacCullough	Mr. A. Francis Townsend
Prof. Harold W. Dows	Prof. Harold A. Maxfield	Mr. Bernard L. Wellman
Mr. Stanley H. Fillion	Prof. Carl F. Meyer	Mr. Charles L. Wright

1932—ACTIVE CHAPTER—1933

WRIGHT H. MANVEL, <i>President</i>	EMIL C. OSTLUND, <i>Vice-President</i>
ALTON B. WYMAN, <i>Recording Secretary</i>	EDWARD K. ALLEN, JR., <i>Corresponding Secretary</i>
HARRY T. JENSEN, <i>Treasurer</i>	GEORGE W. LYMAN, <i>Cataloger</i>

MEMBERS

William A. Anderson	'33	Harold A. Hammer	'33	John C. L. Shabeck, Jr.	'33
Joseph H. Fogg	'33	Leighton Jackson	'33	Sumner B. Sweetser	'33
Kenneth E. Gleason	'33	Everett F. Sellew	'34	Jeremiah H. Vail	'33
Gilbert U. Gustafson	'33	Gordon R. Whittum	'33	Gordon P. Whitcomb	'34

One hundred fifty-four



Sigma Xi

NATIONAL HONORARY RESEARCH FRATERNITY

Founded at Cornell University 1886

W. P. I. Chapter Founded 1908

RESIDENT MEMBERS, 1932-1933

Prof. Francis J. Adams
Prof. Charles M. Allen
Dr. Frederick R. Butler
Dr. Daniel F. Calhane
Mr. Russell V. Corsini
Prof. Harold W. Dows
Dr. A. Wilmer Duff
President Ralph Earle
Dr. Arthur W. Ewell
Prof. Howard P. Fairfield
Mr. Harry B. Feldman
Mr. Stanley H. Fillion
Prof. Arthur W. French
Prof. Harold J. Gay
Mr. William E. Hansen
Dr. George H. Haynes
Prof. Jerome W. Howe
Mr. Clyde W. Hubbard
Dr. Walter L. Jennings
Prof. Arthur J. Knight

Prof. Carl D. Knight
Mr. Willard B. Lawton
Prof. Gleason H. MacCullough
Dr. Morton Masius
Prof. Harold A. Maxfield
Prof. Carl F. Meyer
Dr. Raymond K. Morlev
Prof. Hobart H. Newell
Mr. John M. Petrie
Prof. William L. Phinney
Dr. Clarence A. Pierce
Dr. Samuel J. Plimpton
Mr. Louis W. Rawson
Prof. Carlton A. Read
Prof. Harris Rice
Prof. Albert S. Richey
Prof. Francis W. Roys
Prof. Alton L. Smith
Dr. Maurice E. Smith
Mr. Ellis R. Spaulding

Mr. A. Francis Townsend, Jr.

RESIDENT ASSOCIATE MEMBERS

Ethan D. Bassett
Harold D. Burt
Raymond B. Crawford
F. L. Eaton, Jr.
L. D. Harvey
Leighton Jackson
Asher L. Joslin
Harold A. Lamlein

Wright H. Manvel
John C. Osipowich
Frederick M. Potter
Arthur E. Smith
Sumner B. Sweetser
Payson R. Whitney
Gordon R. Whittum
Alton B. Wyman

One hundred fifty-five



Intramural Sports



INTERFRATERNITY SPORTS COMMITTEE

ALPHA TAU OMEGA	T. McNULTY
LAMBDA CHI ALPHA	L. STONE
PHI GAMMA DELTA	G. CRUICKSHANK
PHI SIGMA KAPPA	H. HAMMER
SIGMA ALPHA EPSILON	R. DRISCOLL
SIGMA OMEGA PSI	C. WOLK
THETA CHI	T. RATKIEWICH
THETA UPSILON OMEGA	W. TUTHILL
THE FRIARS	P. TRIPOLI

CUP WINNERS TO DATE

(As of April 24, 1933)

<i>Tennis</i> —Phi Sigma Kappa	<i>Swimming</i> —Lambda Chi Alpha
<i>Basketball</i> —Phi Sigma Kappa	<i>Relay</i> —Phi Gamma Delta
<i>Squash</i> —Sigma Alpha Epsilon	<i>Bowling</i> —Theta Upsilon Omega
<i>Track</i> —Lambda Chi Alpha	

One hundred fifty-six





ORGANIZATIONS



Ostlund Sweetser Smith Lyman Osborne Porter Doyle
 Jackson Moran McKay Decker Whitcomb Leech Bass Schuh
 Vail Knight Pres. Earle Manvel Rice Gartrell Hammer

Tech Council

WRIGHT H. MANVEL *President*
 PROFESSOR HARRIS RICE *Secretary*

MEMBERS

Faculty

PRESIDENT RALPH EARLE
 PROFESSOR HARRIS RICE
 PROFESSOR CARL D. KNIGHT

1933

H. A. Hammer
 G. W. Lyman
 J. H. Vail
 I. J. Gartrell

A. E. Smith
 R. F. Porter
 T. E. Decker
 W. H. Manvel
 C. J. Doyle

W. C. Saltmarsh
 W. E. Bass
 T. H. Berard
 E. C. Ostlund

1934

E. F. Sellew

G. P. Whitcomb

E. H. Osborne

L. J. Volley

1935

W. E. McKay

D. C. Holt

K. L. Moran

G. S. Cruickshank

1936

H. M. Dudley

R. W. Schuh

One hundred fifty-eight



The Tech Council

ONE of the important organizations on the Hill is the Tech Council composed of leading students, two faculty representatives, and the President of the Institute. The Council, serving as an advisory body, at its bi-weekly meetings, discusses and recommends policies or actions on general matters involving both faculty and students.

Several activities during the year are under the direct supervision of the Council, notably the Tech Banquet held as an informal get-together of faculty and students, and the Tech "At Home" Day held during the spring to acquaint prospective students with the work of the college. Through the efforts of the Council increasing numbers of visitors are coming each year to see the Institute and to inspect the exhibitions of work displayed by the different departments.

Various athletic contests receive attention from the Tech Council, for this organization for some time has awarded athletic charms to men graduating who have distinguished themselves in the major sports. It supervises the annual rope pull between the Sophomores and the Freshmen. More recently it has had charge of awarding the goat's head to the lower class having the greatest number of points in inter-class contests.

Among the duties of the Council are such varied ones as appointing leaders for the exercises preceding the Fuller Lectures at which speakers of outstanding merit address the Institute; running occasional Saturday night dances in Sanford Riley Hall; keeping the student bulletin boards up to date, and acting as a clearing house of dates for students activities.

Working always for the good of the Institute, the Council has used its influence to eliminate hazing and to substitute a less harmful expression of class discipline, such as the paddle rush staged at one of the early fall football games.

The Council, as supervisor of the point system, has given much attention to the system, trying to devise a scheme whereby a student may participate in no more activities than he can serve in fairness to himself and to the organizations he serves.

With the membership recently enlarged to include representatives not only of the four classes but of the numerous student activities, the Council attempts to work increasingly for the best interests of the student body and the Institute as a whole.





PEDDLER BOARD

Shabeck	Osborne	McElroy	Whitcomb	Crowley	Powell	Berrell
Wyman	Cummings	Gustafson	Ostlund	Allen	Maloney	Porter

The Staff

EMIL CHARLES OSTLUND, *Editor-in-Chief*

JOHN SCOTT MALONEY	.....	<i>Managing Editor</i>
RICHARD FRANCIS PORTER	.....	<i>Associate Editor</i>
GUY AUSTIN CUMMINGS, JR.	.....	<i>Sports Editor</i>
JOHN CARL LUDWIG SHABECK, JR.	.....	<i>Art Editor</i>
GILBERT URBAN GUSTAFSON	.....	<i>Business Manager</i>
ALTON BERTRAM WYMAN	.....	<i>Advertising Manager</i>
WALDO EDGAR BASS	.....	<i>Subscription Manager</i>
EDWARD KNIGHT ALLEN, JR.	.....	<i>Photographic Editor</i>
MR. NELSON M. BORTZ	.....	<i>Faculty Advisor</i>

JUNIOR EDITORS

Albert Henry Bellamy, Jr.	Francis James Crowley	Carl Eugene Parta
Warren Merton Berrell	Charles Witham McElroy	Gordon Putnam Whitcomb
	Edson Hugh Osborne	

BUSINESS ASSISTANTS

Michael Lawrence Skwarek, Jr.	Wallace Reinfield Powell	Dwight James Dwinell
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PHOTOGRAPHIC STAFF

William Edward Mesh	Philip Capelle Sherburne
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One hundred sixty





The Peddler

IT has been with a great deal of concern that the staff has planned and carried out the production of the 1933 PEDDLER. The present economic unrest has made it necessary to make many changes which were imperative for the success of such an undertaking.

The printing of the book is entirely in one color. The presentation of the faculty has been varied from the customary character sketches and it is felt that in this way the student body would be able to appreciate better the background of its faculty. The cover design has been taken from a familiar landmark on the campus. The book is dedicated to Professor Charles M. Allen in appreciation of his noted work in hydraulics and his lengthy service to the Institute. Very appropriately, the art theme is hydraulic in its nature, and the pictures included are taken from projects in which Professor Allen has had a constructive interest. The feature section has been developed from material furnished by friends of the PEDDLER. The staff has depended upon the co-operation of the student body and the various student organizations and has not been disappointed.

In order that a closer co-operation and a greater interest might be attained, the PEDDLER board recommends that in the future the student body be assessed as a whole for an amount that would insure the success of a year book of the same high quality. In this way each student would receive a book each of his four years for an amount much smaller than is paid by each member of the graduating class. It is further recommended that each organization and student whose picture appears in the book be taxed for the cost of engraving so that the cost of each book be materially reduced. This policy would insure the continuance of a long family of successful annuals.

One hundred sixty-one





Barrett Franklin Barnard Burns Berrell
Guernsey Fogg Gustafson Sweetser Vail Fuller

Tech News Staff

SUMNER B. SWEETSER, '33 *Editor-in-Chief*
JOSEPH H. FOGG, '33 *News Editor*
J. H. VAIL, '33 *Managing Editor*
ALDEN H. FULLER, '33 *Associate Editor*
PAUL G. GUERNSEY, '33 *Secretary*

JUNIOR EDITORS

E. L. Barrett, '34	A. H. Bellamy, Jr., '34	W. M. Berrell, '34
W. R. Burns, '34	H. H. Franklin, '34	J. V. Rowley, '34
BUSINESS MANAGER		BUSINESS ASSISTANT
Gilbert U. Gustafson, '33		Richard Barnard, '34

REPORTERS

C. M. Dann, '35	A. F. Hardy, Jr., '35	E. E. Jaffee, '36
L. G. Humphrey, Jr., '35	R. A. Langer, '36	H. A. LeDuc, '35
C. G. Lincoln, '35	K. A. Linell, '35	G. G. Nanartonis, '36
H. Morrison, '35	R. B. Taylor, '35	J. E. Tholl, '35
I. Skeist, '35	C. S. Smith, '35	W. R. Steur, '35

One hundred sixty-two



Tech News

THIS year the *Tech News* passed its twenty-third birthday. Since 1910 it has served to keep the student body and alumni of Tech informed of all the activities on Boynton Hill. In these twenty three years there has been slow but steady progress, and we believe that the *Tech News* can compare favorably with the publications of other colleges of corresponding size and character.

The *Tech News* Staff started the year with but one principal purpose: to make the News more interesting to its readers. To accomplish this the Staff has endeavored to improve the type of news articles, the appearance of the make-up, and the subject matter of editorials.

The Staff has always been under the handicap that much of the news which it printed was several days old and had already appeared in the local papers. The only remedy for this has been to give athletic contests, the principal offenders along this line, less prominent and smaller amounts of space whenever possible, and stories with greater news value the more prominent positions. This has resulted in some criticism that the athletic teams were not given the publicity they deserved. In order to have a paper with more than just bare news in it, such subjects as stories of new instructors, alumni, accounts of activities at other colleges, and summaries of interesting articles from engineering journals have been included from time to time.

To meet the criticism that the front page of the News looked too solid, it has been cut up so that more articles could be started on the first page and continued inside. The types of heads on the front page were changed from week to week to secure as much variety as possible. Owing to the depression, advertising had to be taken when it came. This made an attractive make-up difficult because many times material, sufficient to fill six pages, had to be crowded into four to keep down expenses.

The editorials which have appeared in the *News* have been mostly on timely topics which presented themselves by events around the campus. They were designed to stimulate rather than influence student opinion. Apparently that is not a safe or successful editorial policy, for practically the only editorials which have aroused any appreciable amount of student comment, have been those which met the hearty disapproval of the faculty.

The two features which have probably caused the most favorable comment on the *Tech News* this year were the series of articles entitled "Did You Know?" and the "Oh Tesh" column. The former, written by Professor Taylor, gave some interesting information on Tech as it was several decades ago. Paul Guernsey was responsible for the "Oh Tesh" column which gave to the whole college the benefit of little amusing incidents which would otherwise be confined to a small group.





MASQUE MEMBERS

Ostlund	Sodano	Parker	Crowley	Powell	Hunt
Johnson	Saltmarsh	Porter	Maloney	Osborne	Ridley

The Masque

RICHARD F. PORTER	.....	<i>President</i>
WARREN C. SALTMARSH	.....	<i>Vice-President</i>
E. HUGH OSBORNE	.....	<i>Secretary</i>
PERCIVAL G. RIDLEY	.....	<i>Treasurer</i>
HARVEY F. LORENZEN	.....	<i>General Manager</i>
JOHN S. MALONEY	.....	<i>Business Manager</i>
CARROLL M. JOHNSON	.....	<i>Publicity Manager</i>
WALLACE R. POWELL	.....	<i>Stage Manager</i>
MR. DONALD G. DOWNING	.....	<i>Faculty Advisor</i>

One hundred sixty-four



The Masque

The dramatic organization now known on the Hill as the Masque of the Worcester Polytechnic Institute had its beginning back in the nineties, 1892 to be exact. It staged productions in 1893 and 1895. From 1895 to 1911, there was a lull in dramatic interests.

Since 1911 it has been customary, with two exceptions, to present a production every spring, integral with Junior Week. In the earlier days of the organization, the scripts were written by a member of the student body, this practice being continued until the years 1918 and 1919, in which years no show was offered.

For the past few years, it has been the aim of the Masque to present for the approval of the student body an accepted dramatic production. Such plays as "Three Wise Fools", "Here Comes The Bride", "The Bad Man", and "Tons of Money" have been presented and received with approval. An attempt was made last year to return to something more or less original, with not so much success as was hoped for.

In an attempt to carry on, and perhaps raise, the standard set by productions which the Masque is known by, A. A. Milne's ingenious detective comedy "The Perfect Alibi" was presented two nights this year in Horticultural Hall. The new Coach was Mr. Albert F. Smith of Worcester South High School. The Masque was greatly assisted by, and is heavily indebted to, the Misses Rhita Ann Johnson, Helen W. Symonds, and Barbara Thurston, all of Worcester. A larger percentage of the student body attended these performances than in any previous year. Much credit is due the members of the staff and cast for their co-operation and the general feeling is that the Masque has set a precedent in accomplishment that will not be equalled for some time to come.





Y. M. C. A. MEMBERS

Ostlund Brownlee Whittum Swan Burpee
Franklin Manvel Jackson Allen

Y. M. C. A. Cabinet 1932 - 33

WRIGHT H. MANVEL	<i>President</i>
LEIGHTON JACKSON	<i>Vice-President</i>
HENRY H. FRANKLIN	<i>Recording-Secretary</i>
EDWARD K. ALLEN, JR.	<i>Treasurer</i>
LEIGHTON JACKSON	<i>Chairman Religious Work</i>
EMIL C. OSTLUND	<i>Chairman Social Committee</i>
HOWARD A. WHITTUM	<i>Chairman Campus Service</i>
HENRY H. FRANKLIN	<i>Chairman New Student and Membership Committee</i>
WILLIAM E. BURPEE	<i>Chairman Discussion Groups</i>
ALLEN L. BROWNLEE	<i>Chairman Community Service</i>
PAUL R. SWAN	<i>Executive Secretary</i>

One hundred sixty-six



Y. M. C. A.

THE oldest student organization in the college is the W. P. I. Y.M.C.A. which was formed soon after the opening of the Institute in 1868. It became a member of the national organization in 1891. This branch of the World-wide Student Christian Association has for its purpose the development of a plain, everyday helpfulness and friendship by interesting and training students in Christian service and leadership. It seeks to promote a healthy moral and religious atmosphere among the men of the college.

Orienting the Freshmen to the life at Tech was the first job undertaken, and as in the past, "Bibles" or Handbooks were distributed, organization meetings held, a second-hand book exchange conducted, and the annual Freshman Reception given in the Gym. The traditional cider, doughnuts, and cheese proved as popular as ever.

Another service performed by the "Y" was the maintenance of pool and ping-pong tables, and the furnishing of games and periodical literature for the Dormitory commons room.

Abandoning precedent, the Tech Carnival was promoted this year in a new and novel spirit which proved successful from all viewpoints. A real carnival atmosphere was created with the Fraternities managing booths in competition for a silver cup. The Carnival Cup for the best side-show was awarded to the Class of '35.

During the Spring, the Fraternity Discussion Groups were continued as usual; all houses that participated found the discussions both interesting and instructive.

The annual "Y" Assembly came in May, with Rev. Bernard Clausen giving us one of the most inspiring lectures of the year. His address was very well received and drew much local comment.

Through co-operation with the Young Peoples' Society of Central Church, two joint meetings were held with that group, one in the Fall and one in the Spring. These were very well attended by Tech men and so were deemed a success.

Perhaps the most important function of the "Y" was the continuation of the daily Chapel exercises in Boynton Hall. Many excellent speakers were secured and the good attendance assured the value and the future of these exercises.





NEWMAN CLUB MEMBERS

Lunney	Falvey	Starr	Dwyer	Langer	Collins	DeFoe
Salmon	Rothemich	Keenan	Fogg	Maggiacomo	Cronin	

The Newman Club

JOSEPH H. FOGG	.....	<i>President</i>
PAUL J. SULLIVAN	.....	<i>Vice-President</i>
EDWARD L. BARRETT	.....	<i>Treasurer</i>
JOHN H. KEENAN	.....	<i>Secretary</i>
WILLIAM C. SALMON	.....	<i>Ass't. Secretary</i>

BACK in 1915 the Catholic Club, now known as the Newman Club, was first organized. Then, as now, its purpose was to assist its members to be true to their religion and to further high ideals. In 1917, the Newman Club was accepted by the Federation of College Catholic Clubs, a membership which it now enjoys.

The Newman Club at Tech has made rapid strides since its organization, until it is now one of the most popular clubs on the Hill.

One hundred sixty-eight



The Newman Club

MEMBERS

1933

Umbert F. Corsini
John J. Dwyer
Robert E. Ferguson
Joseph H. Fogg

Harry T. Jensen
John C. Keefe, Jr.
John J. Molloy, Jr.

William F. Reardon
William C. Salmon
C. Joseph Doyle
Ambrose Kennedy

1934

Edward L. Barrett
Henry A. Benoit
William J. Denning, Jr.

William F. Drake
Joseph E. Flanagan
John H. Keenan

John A. McMahon
Edmund F. Rothemich
Paul J. Sullivan

1935

Raymond E. Begley
William F. Butler, Jr.
John B. Coyle
Theodore R. Latour

Edward F. Cronin
Charles J. Egan
Richard S. Falvey

Frank H. Madigan
John J. O'Shea
Albert E. Moran
Raymond G. DesRochers

1936

Leo T. Benoit
John R. Casler, Jr.
Norman V. Coyle
Paul Downey

Norman W. Gaudreau
Martin C. Gowdey
Daniel J. Harrington, 3rd

Richard W. Keenan
John T. McGrath, Jr.
Guy G. Nanartonis
George E. Rocheford

One hundred sixty-nine





C. M. Johnson
Fuller
Slagle
Coach Green
Fitzgerald

Musical Association

OFFICERS OF MUSICAL ASSOCIATION

WRIGHT H. MANVEL	<i>President</i>
CARROLL M. JOHNSON	<i>Vice-President</i>
WILLIAM A. SLAGLE, JR.	<i>Secretary</i>
ALDEN H. FULLER	<i>Student Manager</i>
MR. JOHN E. FITZGERALD	<i>Faculty Manager</i>

THE W. P. I. Musical Association has enjoyed a busy 1932-33 season. The Glee Club, under the able direction of its new director, Clifford Fowler Green, has given concerts at Westboro, Ware, Holden and Fitchburg in addition to five appearances in Worcester. In March, the Tech Glee Club played host to the Girls Glee Club of Framingham State Teachers College in the presentation of a very successful combined concert program. The Quartet, a magician, a saw-soloist and the Tech Hill Billy group served to lend enjoyable variety to a number of the programs presented.

The "Boyntonians", Tech's eleven-piece dance orchestra, have been active in the social life on the hill throughout the year. They have accompanied the Glee Club on all occasions to furnish music for dancing after concert programs. They have also played for the numerous Saturday Evening Dances in the dormitory, at the annual Tech Carnival, and after all basketball games on the Hill.

During the past year the W. P. I. Band has been under the direction of William F. Lynch of Worcester. The excellent music furnished by the Band at Assemblies, football games, the Tech Carnival, and at the annual Alumni Reunion was a source of real pleasure to us all.

The newly organized Tech String Trio furnished music for the annual Masque presentation and at the commencement exercises in June.

One hundred seventy





Glee Club

WRIGHT H. MANVEL *President*
 CLIFFORD W. GREEN *Director*
 JOHN E. FITZGERALD *Faculty Advisor*

FIRST TENORS

G. L. Chase	C. C. Misener
C. S. Frary	G. A. Mitchell
R. M. Hood	G. S. Swift
C. M. Johnson	R. A. Waddell
C. G. Lincoln	P. Wiley
E. C. Merriam	

BARITONES

R. D. Barnard	H. R. Livingston
J. B. Campbell	W. H. Manvel
W. C. Clark	R. L. Remy
E. E. Hayden	W. F. Rouse
W. H. Holt	R. L. Stone
R. C. Hudson	H. J. Wrin
O. L. Kinney	

SECOND TENORS

C. F. Benson	R. M. Bruce
G. U. Dautrich	C. E. Leech
T. C. Frary	E. R. Markert
A. H. Fuller	J. C. Martinka
W. R. Hannah	W. A. Slagle
F. M. Harris	G. A. Stevens
L. Jackson	F. W. Swan
A. M. Kaplanko	H. C. Whittum

BASSOS

A. W. Backgren	W. A. Michalek
E. M. Crowell	L. V. Olson
F. F. Dodge	H. Plimpton
H. M. Dudley	W. B. Reed
R. M. Guild	R. W. Schuh
F. K. Jones	R. H. Wood
A. Kennedy	

BOYNTONIANS

H. F. Clarke
 P. Downey
 K. E. Gleason
 J. E. Pirie
 R. L. Remy
 M. M. Seligman
 L. W. Shields
 I. Skeist
 V. O. Stromberg
 G. S. Swift



QUARTET

C. S. Frary, Jr.
 L. Jackson
 R. L. Remy
 A. W. Backgren

ACCOMPANISTS

W. S. Proctor
 M. E. Day

One hundred seventy-one





Worcester Tech Band

RICHARD L. REMY, GORDON S. SWIFT *Leaders*

LEONARD G. HUMPHREY, JR..... *Manager*

WILLIAM LYNCH *Director*

MR. J. EDWARD FITZGERALD *Advisor*

E. J. Abendschein
L. B. Almy
E. L. Barrett
L. Burwick
G. W. Busby, Jr.
H. N. Cox, Jr.
A. Crumb
P. Downey
D. L. Edmunds
R. S. Grand
M. C. Gowdey

R. H. Guild
J. B. Howes
R. S. Howes
L. G. Humphrey, Jr.
C. E. Hunt, Jr.
A. L. Joslin
L. L. Libby
R. A. Morrill
E. K. Newton
R. L. Nims
J. E. Pirie

S. L. Price
W. A. Proctor
R. L. Remy
M. M. Seligman
C. S. Smith
G. S. Swift
I. Skeist
A. M. Wheeler
F. S. White
P. Wiley

One hundred seventy-two





SANFORD RILEY HALL DOMITORY COMMITTEE

	Leech	Smith	Titley
Sodano	Mesh	Dwinnell	Sandquist

Sanford Riley Hall Dormitory Committee

FACULTY

Prof. H. A. Maxfield

Mr. W. W. Locke

STUDENTS

Dwight J. Dwinell

Anders B. Sandquist

Clinton E. Leech

Stedman W. Smith

William E. Mesh

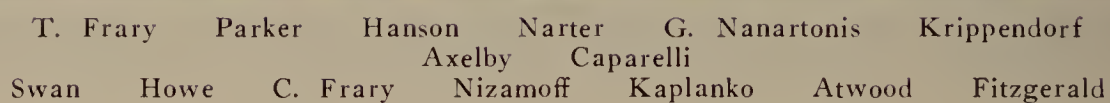
William H. Titley

Michael C. Sodano

Max H. Voigt

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One hundred seventy-seven





Johnson Ashe Smith

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THE society is composed of students in the Mechanical Engineering Department. The purpose of the society is the advancement and dissemination of knowledge of the theory and practice of mechanical engineering, the presentation of a proper perspective of engineering work and the opportunity to become acquainted with the personnel and activities of the local section of the A. S. M. E. as well as to promote a professional consciousness and fellowship.

With the above purpose in mind, monthly meetings are held at which students are permitted to present papers and interchange ideas. In addition, a speaker who is well known in the field of engineering is invited to speak.

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THIS society is directed entirely by the students in the Civil Engineering Department and holds monthly meetings in Boynton Hall. The organization offers, in this way, much information of interest in that department and also offers to its members an opportunity of making contact with practicing members of that profession.

The speakers who appeared before the society in the past year were drawn from widely separated fields in the civil engineering profession. Among them were Mr. John A. Johnstone speaking of "The State Highway System", Mr. Joseph Tosi with the topic of "General Contracting and Construction Methods", Mr. G. Adolf Johnson discussing "Architectural Trends in Europe", and Professor Jerome W. Howe who spoke on "Engineering Developments in Germany."

Much of the success enjoyed by the organization during the past school year was due to the active interest of Professor Howe, faculty sponsor of the society.

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OFFICERS OF THE A. I. E. E.
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THE student branch draws its members from the faculty and students of the Electrical Engineering Department.

The purpose of student branches in the A. I. E. E. is to afford opportunities for the student of electrical engineering which can only be acquired outside the classroom. As far as possible, at the monthly meetings of the branch, the student has the opportunity of discussing current events in electrical engineering and listening to interesting talks by prominent men in engineering practice.

Besides the monthly meetings of the branch, an open invitation is extended at all times to members who may wish to attend the meetings of the Worcester Section. Here, the student may benefit by contact with engineers and by discussions with them on new standards, publications, and electrical engineering in general.





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Skeptical Chymists

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T HIS year finds the society of Skeptical Chymists rounding out its sixteenth successful year. It was founded in 1917 with the purpose of acquainting the students of chemistry with current phases of their major and urging a more detailed reading of the latest literature. This society, which is affiliated with the Northeastern Section of American Chemical Society, includes among its members those students electing the chemistry course who have attended two thirds of the meetings during the college year and who have read a paper or spoken before the organization.

During the past year, the society has limited itself in selecting speakers to address its meetings, the undergraduates having, almost wholly, undertaken this task. This procedure has been found to possess a double value, inasmuch as it gives the audience an opportunity to become acquainted with various subjects of common interest and at the same time it develops the poise and confidence of the members who confront the assembly.

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Class Gift

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Baccalaureate

L. Jackson C. L. Johnson
F. B. Roberts

Graduation and Gowns

W. E. Bass C. J. Doyle
J. H. Vail

Programs and Invitations

S. B. Sweetser G. U. Gustafson U. F. Corsini

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FEATURES



Dilemma of 1933

THE HANDWRITING ON THE WALL

We doubt very much that we will be in a position to take on any graduates this year. . . .

We are not sure that we are going to need additional help, but we are hoping that later in the year. . . .

I regret conditions are such that we shall be unable to consider taking on any students to be graduated this coming spring.

It is quite out of the question for us to take on any new help.

We regret to advise that due to present economic conditions this company will not conduct a Student Training Course this year.

Unfortunately due to a falling off in our technical activities we have not been in a position to employ any young technical graduates for the past two years.

At this time of the year we are not sure that we shall add to our personnel for 1933.

At present there seems to be little prospect of our being able to place. . . .

We are not in a position to add to our personnel. . . .

In 1931 we temporarily discontinued our. . . .

I am sorry to say that under present conditions we are not taking on any new men.

I am afraid that there is practically no possibility of being able to place any young men in our organization this year.

Probably before we would consider any new men. . . .

It does not appear that we shall be able to employ engineering apprentices this year.

Notwithstanding the present conditions we believe a brighter day is ahead and you can be sure that when we are considering the employment of Junior Engineers we will be very glad indeed to get in touch with you. (I guess we rounded the corner on that one) WE WANT CANTOR.



AH-H-H-H-H GENTLEMEN!

Who would want to forget?

Parker distilling wines and beers, also making explosives, much to Tomby's displeasure.

Jackson leading an invisible musical organization when he thought nobody was looking.

Johnson's patent towel-tent to keep drafts away from melting point determinations.

Kalenian and Laliberte quarreling over the ownership of the apparatus.

Ferguson trying to look professional.

Sweetser reviewing radio programs.

Lamlein helping Dinny to maintain a constant current in Industrial Lab.

Laliberte making unappreciated efforts to supervise the lab work of the entire class, giving each member individual attention.

Fuller arriving and leaving on the dot and minding his own business.

Rigney clowning or philosophizing.

Bicknell riding Johnson about the Chamber of Commerce.

Silverberg and Smith squaring off for the dust-weight championship.

Ferguson and Sweetser getting confidential.

Crawford befouling the Organic Lab with his miniature hippuric acid plant.

Lamlein mocking the profs.

OUR FACULTY SUGGESTS:

Dr. Jennings—Germany, beer, hard work.

Dr. Butler—Poker-faced non-committalism, lofty inaccessibility.

Dr. Smith—Sadness, iconoclasm.

Dr. Calhane—Dense fog, chicken tracks in the snow.

Mr. Feldman—Courtesy, understanding sympathy, balcony scene.

Mr. Bragg—Intellect, operating lines.

Mr. Petrie—Chem Engine, Petrie dishes.

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The Civils Say---

We are the greatest group of engineers to be graduated from this institution because we have—

—In Molloy a man who never complained of a prof's giving a boring lecture or class room discussion. (He never stayed awake long enough to hear it.)

—In Gustafson the highest type of engineer on the campus. (He always did look down on us.)

—In Keefe a man who is a direct descendant of kings (Did you ever meet an Irishman that wasn't?)

—In Chauvin a man who has a story for every occasion. (And such a story.)

—In Dwyer one who absorbs needed pieces of information from everyone in the drafting room to aid him in being the first to turn in work. (And who was never caught dishing out any.)

—In Deslauriers the lad who wore a derby into the drafting room and out again in the same condition. (After all anyone that can survive wearing spats in there can do anything.)

—In Slagle the chap that was always getting a raw deal in quizzes—in fact he was flunking every course every month. (And William's name blossomed forth from the honor roll every term—Scab.)

—In Messrs. Wyman, Harvey, Whittum and Perreault students who, it is suspected, had vague ideas on what Indeterminates was all about. (However, they paid dearly for this non-union action—they were exposed to the structural analysis elective.)

—In Backgren a little fellow who bravely overcame the handicap of a weak high pitched voice to become the outstanding orator of the civil section. (Recall Jerry's glowing testimonial to Art's eloquence in Abstracts?)

—In Brown and Fiske two throwbacks to the caveman days. (After a period of their playfulness in the drafting room the school would jack up the tuition of the incoming class to defray the expense of restoring the broken stools, desks, etc.)

We shall always remember—

—the night of star gazing practice that Pa French laid his hat on the ground while peeking thru a transit and Moore, thinking it belonged to a classmate, kicked it half way across the campus.

—one hot afternoon in soph summer surveying when S. H. climbed all over Newton and Bancroft Hills looking for a level party that had decided to spend the afternoon shooting pool in the welcome coolness of the dorm.

—that last night in railroad camp and the tent wrecking which precipitated a battle in which fists, feet, and even tent stakes flew and landed with enthusiasm and abandon.

—that good old log over the swamp brook at Chaffins that rolled as A. J. was crossing over it.

—the night that Pa French spent ten minutes sweeping the skies for Polaris before he discovered the eyepiece of the transit was closed.

—the game of baseball that Keefe and Teir were conducting with an electric light bulb which was terminated by Fiske's attempt to pole out a home run using a 72" T-square as a bat.

—the night swimming episode at fall camp when Hunter executed a perfect jack-knife dive into two feet of water and spent the remainder of the three weeks

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digging gravel out of his profile.

—the brow-dampening two inches by which Fiske missed Spielvogel's head after tossing a stool half the length of the drafting room with a casual "How are your nerves?" as a warning. Chet still thinks the two inches was error, not calculation.

—the ardent desire of Doyle to share with his classmates the news that he had seen a man on horseback.

—the Presidential straw vote conducted by the *Tech News* in which the senior civils numbering about 3% of the school enrollment cast about 25% of the ballots received in the poll—and their candidate was credited with one vote in the final tabulation.

We shall not forget—

—Pa—for the easy way in which he used to admit that we were about the dumbest bunch of civils that were ever "ridden" by him—and for his absence during our last year.

—the Major—for his "little illustrative problem" that took four hours work if you knew how to do it at all—and for his tea party.

—A. J.—for that famous "Huh?" that made you repeat the question while he prepared the answer—and for the one-half of one per cent that one senior still owes him.

—Carl—for those brain-wracking, soul-searing inquisitions on which we would be expected to boost a flunking mark at the end of the term—and for the final in Water Supply that he DIDN'T give us.

—Herb—for the de luxe edition of a sewerage text that forced many of us to put our room-mate's watch in "hock",—and for the fact that HE recited during the class hours in that same course.

—S. H.—for those indecipherable south paw sketches with which he used to initiate a "sneak" quiz—and for the femme to whom he introduced us on the Ware River hike.

—Gunnar—for knowing the answers to the questions with which we tried to trip him during his first days as a pedagogue—and for the rides to town he used to give us from the jungles of Chaffins.

—Freddy—for his "You can't smoke in here"—and for keeping an eye out for a prof during one of the moments selected by the design class for a little relaxation.

We have selected from the members of this civil group—

—as Class Scab—Len Harvey with Harvey Perreault as our second choice.

—as Class Efficiency Expert—Johnny Molloy with Joe Doyle one vote behind him.

—as Class Beauty—Jack (The Adonis of Northampton) Keefe with John Dwyer chasing him.

—as Class Bull Thrower—Doyle with Molloy losing this great title by a single ballot.

—as Class Brownoser—Bill Slagle by a single vote margin over Dwyer.

—as Class Beau Brummel—Art (Dapper) Deslauriers without any competition

—as Class Wit (50% or more)—Mr. (to you mugs) Doyle with Ellis Brown coming fast at the finish.

—As Class "D" Story Teller—E. J. Chauvin unanimously.

NOTE—The above selections were made by class ballot and, because of the current depression, each member was allowed only one vote in place of the three or four ballots each civil is accustomed to cast in all school elections.

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Diary of A Hair-Brained Electric

Monday:

Met Voight and Hammer traipsing up to St. Vincent's Hospital tonight, but since it is kind of wet to go walking—guess they will have to stand against the chimney.

Tuesday:

"Rip" Adams gave his weekly fight talk on lateness after the regular morning parade (15 minutes late) of "Plug" Whitford, Magee, (Indian Scout from Auburn), Birch and McLoughlin. . . . "Red" Cummings popped in this morning with thirteen spades that he held in a bridge game last night. (Perhaps "Red" wouldn't feel so good after seeing Pihl doing a sleight of hand with the deck) . . . Burwick didn't quite have his business done this afternoon because his consultant, White, failed to prep for once. . . . Bill Salmon is around with tickets for the Newman Club dance but could not furnish evening clothes with the tickets. Went to see Bill Payne about his tux, but it was already out. . . . Seems that Payne owns the campus tuxedo.

Wednesday:

This morning, Bassett, Ensor, and Barnes, the "scab-baggers" from Theta Chi, marched in with all preps done (as usual)—SCABS—Noticed today that Schatz is sucking eggs—wonder what he's training for now. . . . Ed Johnson wasn't in the best of form today—must have got another letter from East Hartford.

Thursday:

Seems that Belcher couldn't make the eight o'clock this morning because of a date in Providence—always love before duty. . . . Mike Sodano announced this morning that he was the first man to have his picture in three Senior year books—not bad at that.

Friday:

Fred Potter dumped one of the water barrels in E. E. Lab—should have thought he learned his lesson after Gleason did the same thing, but I guess the little fella couldn't see over the darn thing. . . . "Deficit" Driscoll read the Junior Prom report today—the class didn't swallow it, but then Roy hasn't increased his standard of living since the prom. . . . Wonder what Harry Jensen and Clarke do on those Main Street strolls along about 10.30 nights. . . . Saltmarsh was down at Framingham again last night—she sure must be beautiful. . . . Saw the eccentric Campbell on Elm Street tonight with a femme—never expected it could happen. . . . Virostek was typing his A. C. notes this aft—damn it, it's guys like that who make this institute difficult—notice "Gaspie" Anderson is wearing a Tau Bete key where he used to wear his little gold hammer—another case of brains vs. brawn—found Whitford arguing with Prof. Robinson today—seems as though Fred is tired of the wet end of the stick and would like a "new-deal."

Saturday:

Maxfield exempted Fulton, Tuthill, and Spaulding from the abstract final this morning—wonder if it's a scare or if there will be a final effort in the course. . . . Comrade Signor was the second speaker of the morning and although he had his subject well in hand his feet and hands were a considerable problem. . . . Waldo Bass was preparing for a week-end at Smith—last week it was Wheaton and the week before it was Lasell (Just a Gigolo) . . . Percival G. Ridley is selling fireworks—hope he doesn't get killed in an exhibition. . . . At the track meet this afternoon noticed manager Blake hopping around to the tune of Doc. Carpenter's piccolo. . . . Ungerer and Perkins did some pole vaulting, but I guess F. D. Roosevelt rushed through his beer bill too soon to benefit Earnie's athletic prowess.

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You Have All Heard Them

Bob Bumstead—"His eyes look like two angry cloacae" or "Choice"
Palook Gartrell—"Go on, or I'll pop you on the nose"
Moco Furman—"Let's eat"
Droopy Osborne—"Anybody want any paper?"
Phil Tripoli—"I nominate—" or "What-do-you-call-it?"
Alex Alves—"Dat guy Staples, he gives me zeero" or "I didn't get
dat dere answer"
Bob Peterson—"How would you like to get hit over the head with
a bending moment?"
Jack Shabeck—"Come around sometime and see it run"
Zuckie Ostlund—"or something"
Johnny Tinker—"Hey! come here a minute"
Nick Nicoletti—"Did you go dancing last night?"
Don Putnam—"Got a date to-night, boys"
Foggy Knight—"You ought to see the women down in Southbridge"
Bausman—"Corsini, did you bring your tobacco?"
Beto Corsini—"You scab"
Johnny Maloney—"Cheese und Krackers"
Joe Fogg—"I don't know what you mean"
Stump Perry—"Softy"
Steve Haynes—"Doggoneit"
Mack Johnson—"Oh! Gee whiz"
Jerry Vail—"Who! me?"
Man-hole Manvel—"Succer"
Champ Spence—"Now, in Springfield"
Ed Allen—"What did you get in that quiz?"
Ash Joslin—"Hell and damn"
Brad Newell—"Did you hear the one—?"
Al Bell—"You are an old meanie"
Prof. Read—"Now that is highly theoretical"
Ajax Staples—"Gosh darn it"
Prof. Allen—"Did I tell you how I won the cigar?"

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One hundred ninety

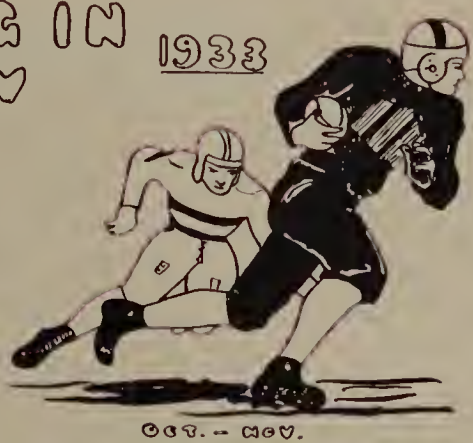








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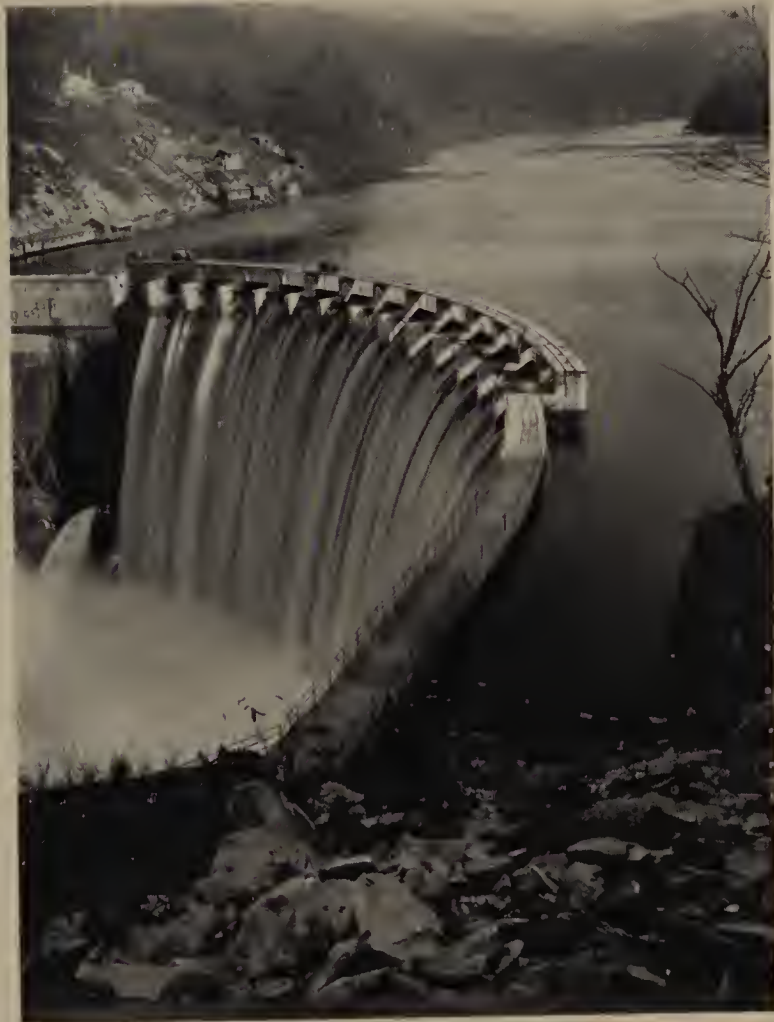
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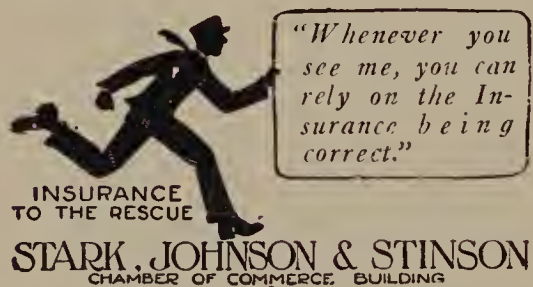
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